CONSTRUCTION NEWS

Engineering News-Record, Jan. 28, 1926

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Hydro-Electric Power Development, Waynesville, N. C., Pigeon River Power Co. made surveys, $12,000,000.

Library, New Haven, Conn., Yale University, Sterling Memorial Library, $8,000,000.

Amphitheatre, Chicago, Ill., P. Harmon having plans prepared, $5,000,000.

Oil Pipe Line, Texas, American Refining Co. making plans for 200 mi. 12 in. pipe line, $4,500,000.

Apartment, Miami, Fla., Beverly Arms having plans prepared, $3,000,000.

Railroad, Pennsylvania, Pennsylvania R.R. Co. plans elevating road over streets, $3,000,000.

Museum, New York, N. Y., American Museum of Natural History having plans prepared, $2,500,000.

Museum, New Haven, Conn., Yale University having sketches made, $2,250,000.

Office, Cincinnati, O., Union Central Life Insurance Co. having plans prepared, $2,250,000.

Gas Pipe Line, San Antonio, Texas, Seagrove and Moody making plans for 72 mi. 12 in. gas pipe line, $2,000,000.

Bids Wanted On Big Jobs

High School, Philadelphia, Pa., Feb. 2, by Bd. Educ., $1,300,000.

Theatre, Omaha, Neb., Feb. 8, A. H. Blank, $1,000,000.

Stadium, Evanston, Ill., Northwestern University, Feb. 10, $1,000,000.

Large Contracts Let During Week

Apartment Hotel, Detroit, Mich., Weston & Ellington, engrs. & archts., to Bryant & Detwiler, $2,500,000.

Court House, Miami, Fla., Comrs. Dade Co., genl. contract to L. W. Hancock, $1,679,000. Total contracts, $2,031,000.

Nurses' Home, New York, N. Y., Mt. Sinai Hospital to Hegeman Harris Co., $1,500,000.

Gasoline Stills, Port Arthur, Texas, Gulf Refining Co. will build by day labor, $1,500,000.

Office, Hartford, Conn., Travelers Insurance Co. to Marc Eidlitz & Son, Inc., $1,500,000.

Can Factory, Sacramento, Calif., American Can Co. to Lindgren-Swinerton, Inc., $1,000,000.

Loft, New York, N. Y., S. Sinsheimer to Magoba Constr. Co., $1,000,000.

Hotel, Cleveland, O., Hotel Hollenden Co. to Craig Curtis Co., $1,000,000.

Church, Cleveland, O., Walker & Weeks, archts. for Epworth-Euclid M. E. Church to Craig-Curtis Co., $1,000,000.

PROPOSALS

For Proposals Advertised
see pages 100-104
Advertising Section

WATERWORKS

Bids Close		See Eng. News-Record
Jan. 29	Mt. Union, Pa.	Jan. 14
Jan. 29	Dayton, O.	Jan. 14
Jan. 29	Cincinnati, O.	Jan. 21
Jan. 30	Racine, Wis.	Jan. 14
Feb. 1	Detroit, Mich.	Jan. 28
Feb. 1	Cincinnati, O.	Jan. 28
Feb. 2	Republic, Mo.	Jan. 28
Feb. 2	St. Paul, Minn.	Jan. 28
Feb. 3	Detroit, Mich.	Jan. 28
Feb. 4	St. Louis, Mo.	Jan. 28
Feb. 5	Okolona, Miss.	Jan. 14
Feb. 5	Wayland, Mass.	Jan. 28
Feb. 5	Toledo, Ill.	Jan. 28
Feb. 8	Springfield, Mass. Adv. Jan. 21 and 28.	Jan. 21
Feb. 9	Tallahassee, Fla. Adv. Jan. 21 and 28.	Jan. 21
Feb. 9	Moss Point, Miss.	Jan. 28
Feb. 10	Anderson, Ind.	Jan. 21
Feb. 11	Salisbury, Md. Adv. Jan. 21 and 28.	Jan. 21
Feb. 11	Port Arthur, Tex.	Jan. 21
Feb. 12	Mount Shasta (mail Weed), Calif.	Jan. 28
Feb. 15	Ohiowa, Neb.	Jan. 28
Feb. 16	Knoxville, Tenn. Adv. Jan. 21 and 28.	Jan. 21
Feb. 16	St. Louis, Mo.	Jan. 21
Feb. 18	Lock Haven, Pa.	Jan. 28
Feb. 24	Willard, N. Y.	Jan. 21
Mar. 15	Los Angeles, Calif. Adv. Jan. 28.	Jan. 28

SEWERS

Feb. 2	Springfield, Ill.	Jan. 7
Feb. 4	Hamilton, Ont.	Jan. 28
Feb. 8	Quakertown, Pa.	Jan. 21
Feb. 8	Spring Lake, N. J. Adv. Jan. 28.	Jan. 28
Feb. 9	Toledo, O. Adv. Jan. 21 and 28.	Jan. 21
Feb. 16	St. Louis, Mo.	Jan. 28
Feb. 17	Grand Rapids, Mich. Adv. Jan. 28.	Jan. 28
Mar. 1	Clayton, Mo.	Jan. 28
Mar. 10	Waco, Tex.	Jan. 7
Mar. 15	Waco, Tex.	Jan. 21

BRIDGES

Feb. 2	Oklahoma	Jan. 21
Feb. 3	New Jersey Adv. Jan. 21 and 28.	Jan. 21
Feb. 3	San Antonio, Tex.	Jan. 7
Feb. 3	Wenatchee, Wash.	Jan. 28
Feb. 4	New York, N. Y.	Jan. 28
Feb. 5	Missouri	Jan. 28
Feb. 8	Pennsylvania	Jan. 21
Feb. 10	Alabama	Jan. 21
Feb. 15	London, Ont.	Jan. 28
Feb. 16	Louisiana	Jan. 21
Feb. 16	Washington	Jan. 28
Mar. 1	Key West, Fla. Adv. Jan. 21 and 28.	Jan. 21

DAMS

Mar. 23	Wellington, New Zealand	Jan. 21

EXCAVATION, DRAINAGE IRRIGATION, LEVEES RIVER AND HARBOR

Feb. 3	Lake Wales, Fla.	Jan. 28
Feb. 5	Grass Valley, Calif.	Jan. 28
Feb. 8	Allenhurst, N. J.	Jan. 14
Feb. 10	Stuart, Fla. Adv. Jan. 14 to 28.	Jan. 14
Feb. 10	Oskaloosa, Ia.	Jan. 28
Feb. 18	Mobile, Ala.	Jan. 21
Feb. 18	Los Angeles, Calif. Adv. Jan. 28.	Jan. 28

STREETS AND ROADS

Jan. 29	Vincennes, Ind.	Jan. 28
Feb. 1	Fergus Falls, Minn.	Jan. 14
Feb. 2	Oklahoma	Jan. 21
Feb. 2	Blue Island, Ill.	Jan. 21
Feb. 2	Stillwater, Minn.	Jan. 21
Feb. 2	Gulfport, Miss.	Jan. 28
Feb. 2	Oklahoma	Jan. 28
Feb. 2	Tecumseh, Neb.	Jan. 28
Feb. 3	New Jersey Adv. Jan. 14 to 28.	Jan. 14
Feb. 4	Concordia, Kan.	Jan. 14
Feb. 4	Ord, Neb.	Jan. 21
Feb. 4	Frederick, Okla.	Jan. 28
Feb. 4	Phila., Pa.	Jan. 28
Feb. 5	Erie, Kan.	Jan. 14
Feb. 5	Pennsylvania	Dec. 31
Feb. 5	Harrisville, W. Va.	Jan. 21
Feb. 5	Cleburne, Tex.	Jan. 21
Feb. 5	Missouri	Jan. 28
Feb. 5	Chicago, Ill.	Jan. 28
Feb. 6	Pennsylvania	Dec. 31
Feb. 8	Kentucky	Jan. 7
Feb. 8	Mobile, Ala.	Jan. 21
Feb. 8	Galveston, Tex.	Jan. 28
Feb. 8	San Diego, Calif.	Jan. 28
Feb. 8	Hamilton, Mo.	Jan. 28
Feb. 8	North Carolina Adv. Jan. 28.	Jan. 28
Feb. 9	Minnesota	Jan. 21
Feb. 9	Louisiana	Jan. 21
Feb. 9	Minnesota	Jan. 14
Feb. 9	Clarksburg, W. Va.	Jan. 28
Feb. 9	Battle Creek, Ia.	Jan. 28
Feb. 10	Belvidere, N. J. Adv. Jan. 21 and 28.	Jan. 21
Feb. 10	Alabama	Jan. 21
Feb. 10	Florida	Jan. 28
Feb. 10	Santa Rosa, Calif.	Jan. 28
Feb. 11	Magnolia, Miss.	Jan. 28
Feb. 11	Siloam Springs, Ark.	Jan. 28
Feb. 15	Anderson, Ind.	Jan. 21
Feb. 15	New Jersey Adv. Jan. 28.	Jan. 28
Feb. 16	St. Louis, Mo.	Jan. 21
Feb. 16	Washington	Jan. 28
Feb. 19	Pennsylvania	Jan. 14
Feb. 20	Pennsylvania	Jan. 14
Feb. 22	Ontario	Jan. 28
Feb. 23	McPherson, Kan.	Jan. 28
Feb. 23	Louisiana	Jan. 28
Feb. 25	Kenosha, Wis.	Jan. 14
Feb. 26	Kittanning, Pa. Adv. Jan. 28.	Jan. 28
Mar. 1	Indiana	Jan. 7
Mar. 2	Chilton, Wis.	Jan. 28

BUILDINGS—INDUSTRIAL

Feb. 1	Chester, Pa.	Jan. 21
Feb. 2	Iowa City, Ia.	Jan. 28
Mar. 1	Chicago, Ill.	Jan. 14

BUILDINGS—COMMERCIAL

Feb. 1	Bridgeport, Conn.	Jan. 28
Feb. 2	Cleveland Heights (Warrensville P. O.), O.	Jan. 21
Feb. 3	New Haven, Conn.	Jan. 28
Feb. 3	St. Clair, Mich.	Jan. 28
Feb. 8	Trenton, N. J.	Jan. 21
Feb. 8	Omaha, Neb.	Jan. 28
Feb. 13	Cleveland, O.	Jan. 28
Feb. 15	Regina, Sask.	Jan. 28
Feb. 16	St. Louis, Mo.	Jan. 21
Feb. 20	New Orleans, La.	Jan. 21
Mar. 1	Duluth, Minn.	Jan. 7
Mar. 4	West Haverstraw, N. Y.	Jan. 21
Apr. 1	Moline, Ill.	Jan. 14
Apr. 1	Youngstown, O.	Dec. 31

BUILDINGS—EDUCATIONAL, RELIGIOUS

Jan. 29	West Englewood, N. J.	Jan. 21
Jan. 30	Newton Falls, O.	Jan. 14
Feb. 1	Terre Haute, Ind.	Jan. 21

See proposal advertisements on page 100, Advertising Section.

TRADE "LEADITE" MARK
Registered U. S. Pat. Office

Making LEADITE Joints on 24 inch c. i. B & S. Force Main

Caulking Means EXPENSE---
No Caulking Means PROFIT

It is needless waste of time, money and labor to caulk cast iron bell and spigot water mains.

Why not turn this expenditure into a profit?

Use Leadite which is melted and poured into the joint.

Leadite forms a water-tight bond by filling every crevice of the joint from the yarn out to face of bell of pipe, without caulking.

Leadite means simplicity, efficiency and economy.

Water works all over the world use Leadite because it makes a good joint which improves with age.

Leadite resists electrolysis.

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Leadite does not corrode or rust.

Leadite has been successfully tested and used for over 30 years.

Thousands of miles of pipe jointed with Leadite are in service.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.

1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids Close		See Eng. News-Record
Feb. 1	Terre Haute, Ind.	Jan. 7
Feb. 1	Milan, Mich.	Jan. 21
Feb. 1	Montclair, N. J.	Jan. 28
Feb. 1	Phila., Pa.	Jan. 28
Feb. 1	Lincoln, Neb.	Jan. 7
Feb. 2	Phila., Pa.	Jan. 28
Feb. 2	Owings Mills, Md.	Jan. 21
Feb. 2	Racine, Wis.	Jan. 28
Feb. 3	Los Angeles, Calif.	Jan. 28
Feb. 8	Norwood, Mass.	Jan. 28
Feb. 8	Pasadena, Calif.	Jan. 28
Feb. 12	New Orleans, La.	Jan. 21
Feb. 16	Wellsville, N. Y.	Jan. 21
Feb. 22	Ferndale (br. Detroit), Mich.	Jan. 21
Feb. 24	Williamsport, Pa.	Jan. 7
Feb. 27	Duluth, Minn.	Dec. 17
Feb. 28	Beloit, Wis.	Jan. 28
Mar. 1	Newberry, Mich.	Jan. 28
Mar. 3	Baton Rouge, La.	Jan. 21
Mar. 15	Lewistown, Pa.	Jan. 21

FEDERAL GOVERNMENT WORK

Feb. 1	Dam—Louisville, Ky. Adv. Dec. 17 to Jan. 7, 21 and 28.	Dec. 24
Feb. 1	Acetylene Flashers — St. George, N. Y.	Jan. 21
Feb. 3	Dredging—Galveston, Tex. Adv. Jan. 7 to 28.	Jan. 7
Feb. 5	Water Pipe, etc.—Mobile, Ala.	Jan. 28
Feb. 5	Cement—Wash., D. C.	Jan. 28
Feb. 6	Storehouse—Jacksonville, Fla. Adv. Jan. 14 to 28.	Jan. 14
Feb. 10	Radio Tower—Eureka, Calif.	Jan. 14
Feb. 10	Additions — Cheyenne, Wyo.	Jan. 28
Feb. 10	Fuel Storage—Pensacola, Fla.	Jan. 28
Feb. 11	Metal Work—Louisville, Ky. Adv. Jan. 14 to 28.	Jan. 14
Feb. 15	Remodeling—Santa Rosa, Calif.	Jan. 28
Feb. 16	Hull—St. Louis, Mo. Adv. Jan. 21 and 28.	Jan. 21
Feb. 16	Refrigeration Plant—Hot Springs, S. D.	Jan. 28
Feb. 16	Post Office—Troy, N. Y.	Jan. 28
Feb. 18	Breakwater — Buffalo, N. Y.	Jan. 28
Feb. 19	Radial Gates—Idaho and Oregon	Jan. 14
Feb. 23	Valves, etc.—Nebraska	Jan. 28
Feb. 23	Remodeling — Brownsville, Tex. Adv. Jan. 28.	Jan. 28
Feb. 24	Administration—Pearl Harbor, T. H.	Jan. 7
Feb. 24	Water Meter, etc.—San Diego, Calif.	Jan. 28
Feb. 26	Dredging — New York, N. Y. Adv. Jan. 28.	Jan. 28
Mar. 1	Cruiser—Wash., D. C.	Dec. 31
Mar. 3	Hospital—Mare Island, Calif. Adv. Jan. 21 and 28.	Jan. 21
Mar. 15	Breakwater—Hilo, T. H. Adv. Jan. 21 and 28.	Jan. 21

UNCLASSIFIED

Jan. 29	Subway—New York, N. Y.	Jan. 21
Jan. 30	Ash Handling Equipment — Detroit, Mich.	Jan. 28
Feb. 1	Swimming Pool—Yonkers, N. Y. Adv. Jan. 14 to 28.	Jan. 21
Feb. 2	Street Lighting System — Kenilworth, Ill.	Jan. 28
Feb. 2	Refrigerating Plant—New York, N. Y.	Jan. 28
Feb. 5	Subway—New York, N. Y.	Jan. 7
Feb. 9	Wharf — Lake Charles, La.	Jan. 21
Feb. 10	Foundation—Indianapolis, Ind.	Jan. 7
Feb. 16	Circuit Breakers—Auckland, New Zealand	Dec. 10
Mar. 23	Panels, Filters, etc.—Wellington, N. Z.	Jan. 21

MATERIALS

Jan. 29	Crushed Stone—Pennsylvania	Jan. 28
Jan. 29	Sand Grit, etc.—Long Island City, N. Y.	Jan. 28
Feb. 1	Corrugated Metal Pipe — Pennsylvania	Jan. 28
Feb. 1	Paving Blocks, etc.—Milwaukee, Wis.	Jan. 28
Feb. 1	Pipe—Mendenhall, Miss.	Jan. 28
Feb. 2	Bituminous Material — Pennsylvania	Jan. 28
Feb. 2	Road Oil—White Hall, Ill.	Jan. 28
Feb. 2	Cement, Gravel and Sand — New London, Wis.	Jan. 28
Feb. 2	Piles—New Orleans, La.	Jan. 28
Feb. 4	Sand Grit—New York, N. Y.	Jan. 28
Feb. 5	Iron Castings—New Haven, Conn.	Jan. 28

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Mass., Springfield—Plans new pipe lines across Connecticut River for city water. $450,000.

Conn., Meriden—Plans 15 in. c.i. mains in Kensington Ave. $40,000. C. P. Prann, city engr.

N. Y., Saugerties—Voted $225,000 bonds, 5 mi. 16 in. mains in various streets. Noted Aug. 6.

Md., Preston—City Comrs. retained Kastenhuber & Anderson, civil engrs. and surveyors, Easton, to design waterworks.

N. C., Cary — Sold $30,000 bonds, enlarging waterworks and sewerage systems. Noted Dec. 3.

Ala., Anniston — Voted $500,000 bonds, purchasing waterworks from Alabama Water Co. Noted Dec. 3.

Ala., Northport—See "Sewers."

Miss., Gulfport—Plans enlarging artesian reservoir, and heavy duty service pump for fire mains. $50,000. G. W. Odom, City Hall, engr.

Miss., Laurel — Voted $50,000 bonds, waterworks improvements, incl. deep well, etc. Noted Nov. 12.

Mich., Detroit — Dept. Water Supply making plans 1,315 lin.ft. 12 in. c.i. mains in West Chicago Ave.; 1,285 ft. 16 in. Evergreen Rd.; 2,570 ft. 6 in. in Fielding Ave., 1,285 ft. Plainview Ave., 2,565 ft. Braile Ave., and 1,280 ft. Minock Ave.; 2,565 ft. 8 in. mains in Pierson Ave., 1,285 ft. in Auburn Ave., 1,150 ft. in Western Dr., 1,285 ft. in Plymouth Rd. and 1,310 ft. in Grandville Ave. G. H. Fenkell, 176 East Jefferson Ave., genl. mgr.

Ill., Bellewood—Takes bids about June 1, c.i. mains in various streets. $100,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Berkeley (mail Elmhurst) — Takes bids about Aug. 1, c.i. mains in various streets. $90,000. E. Hancock, 2047 Ogden Ave., Chicago, engrs.

Ill., Elmhurst—Takes bids about May 1, 4 and 6 in. c.i. mains in various streets. $200,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Evergreen Park—Takes bids about Mar. 1, c.i. mains in various streets. $200,000. E. Hancock, 2047 Ogden Ave., Chicago, engr. Noted Aug. 6.

Ill., Melrose Park — Takes bids about June 1, new deep well, pumping equipment and 1 m.g. concrete reservoir. $90,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Morton Grove — Takes bids about July 1, c.i. mains in various streets. $200,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Mt. Greenwood—Takes bids about June 1, c.i. mains, etc., in various streets. $100,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Staunton — Election soon $90,000 bonds, waterworks improvements, incl. several mi. 4 and 6 in. c.i. mains, valves, hydrants, etc. $40,000 funds now available for same. W. A. Fuller Co., 1917 Ry. Exch. Bldg., St. Louis, Mo., engr.

Kan., Lenexa—Defeated $42,000 bonds new waterworks. E. A. Legler, mayor. Noted Jan. 7.

N. D., Mandan—Burns & McDonnell Eng. Co., engrs., 402 Interstate Bldg., Kansas City, Mo., preparing preliminary plans 1 m.g. concrete reservoir, and 2 or 3 m.g. filter plant, also extending distribution system. $150,000-$200,000. E. R. Griffin, city eng. supervising same. Noted Oct. 1.

Mo., Cassville—Election Apr. 6, $25,000 bonds water distribution system, deep well and tank on tower. Russell & Axon, 412 McDaniel Bldg., Springfield, engrs.

Mo., Charleston — Voted $46,000 bonds, waterworks and distribution system, also $5,500 bonds, automobile fire pump. F. L. Wilcox, Chemical Bldg., St. Louis, engr.

Mo., Deepwater—Making plans improving waterworks, etc. $45,000. Russell & Axon, 412 McDaniels Bldg., Kansas City, engrs.

Mo., Houston — Defeated $25,000 bonds, waterworks and distribution system. Russell & Axon, 412 McDaniel Bldg., Springfield, engrs. Noted Nov. 26.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids four 650 hp. boilers with auxiliary appurtenances, handling machinery and machine shop equipment, $525,000; two 30 m.g. turbine driven centrifugal pumps, $412,500; two 40 m.g. and one 60 m.g. steam turbine driven centrifugal pumps, $237,500; coated c.i. water pipe castings, valves, fire hydrants, valve boxes, etc., $200,000; also repairing and reconstructing 2 railroad trestles on North Market St. Municipal Dock, $12,000. E. E. Wall, City Hall, dir.

Mo., St. Louis — City soon takes bids elevated tank on tower for Robert Koch Hospital, St. Louis Co. $18,500. L. R. Bowen, 301 City Hall, engr.

Texas—See "Dams."

Okla., Inola — Election Feb. 2, $23,000 bonds, new waterworks, incl. well, tank, pump, 9,300 ft. 4 and 6 in. c.i. mains, valves, hydrants, etc. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Wash., Wenatchee—Sold $300,000 bonds, increasing capacity waterworks.

Calif., Glendora—Plans to purchase 1,200 ft. c.i. Class "B" water pipe. F. Long, city clk.

BIDS DESIRED

Mass., Wayland—Feb. 5, by Bd. Selectmen, water system. To exceed $15,000. Hydraulic Development Co., 296 Boylston St., Boston, Mass., engrs.

Pa., Lock Haven—Feb. 18, by Boro Council, J. B. McClellan, supt. Parks & Pub. Property, 4,450 ft. 12 in. iron pipe line; also making plans new dam at upper reservoir at Castanea. R. S. Kift, boro engr.

Miss., Moss Point—Feb. 9, by City Clerk, 71,500 ft. 2- to 8-in. c.i. mains, hydrants, valves and boxes, 100,000 gal. tank on tower, 300,000 gal. concrete reservoir, well, oil or electric pumping equipment, etc. $125,000. H. A. Mentz, Hammond, La., engr. Noted Dec. 17.

Tenn., Brownsville — See "Contracts Awarded."

O., Cincinnati—Feb. 1, by Director Pub. Serv. 16- to 36-in. vertical and horizontal by-pass gate valves $13,000, and 1,310 tons 6- to 36-in. c.i. hub and spigot pipe for mains in Central Parkway from 8th and Eggleston Sts., to Findlay St. $70,000, to Water Distribution System. C. O. Sherrill, City Hall, engr.

Mich., Detroit — Feb. 1, by Dept. Purchase & Supplies, 710 Marquette Bldg., 2,348 meters for Dept. Water Supply, 176 East Jefferson Ave.

Mich., Detroit—Feb. 3, by W. J. Black, comr. Purchases & Supplies, 710 Marquette Bldg., 250-275 tons 8 in. and 12 in. c.i. pipe, 1,200 ft. 4 in. drain pipe, etc., for high pressure fire system, for Bd. Fire Comrs.

Ill., Toledo—Feb. 5, by Bd. Local Impvts., Village Hall, distribution system, incl. 10,575 ft. 6 in. and 11,692 ft. 4 in. c.i. Class B c.i. pipe, 29 fire hydrants, 36 gate valves and boxes, etc. Caldwell Eng. Co., Jacksonville, engrs.

Minn., St. Paul—Feb. 2, by A. E. Eggert, city purch. agt., 50 each 2 in. and 1.5 in. brass water gate valves, 62,000 lin.ft. seamless copper tubing, 2,000 lb. 40-60 solder in approximately 3 lb. pigs. G. M. Shepherd, city engr.

Neb., Ohiowa—Feb. 15, by J. P. Moor, city clk., Sect. 1, 35,000 or 50,000 gal. tank on 100 ft. tower to balcony, erected on foundation; Sect. 2, 11,016 ft. 4- to 8-in. Class "B" c.i., McWane, prechalked joint or DeLavaud Class "150" c.i. pipe; Sect. 3, 4,220 ft. 2 in. galvanized or c.i. pipe; Sect. 5, 8 or 10 in. well, approximately 200 ft. deep, etc. To exceed $15,000. Henningson Eng. Co., Natl. Bldg., Omaha, engrs.

Mo., Republic — Feb. 2, by City Clerk, improving waterworks, incl. tank on tower, pumping equipment and several miles mains. Gantt-Baker Co., Inc., 1116 West Main St., Oklahoma City, Okla., engrs. $65,000. Noted Nov. 12.

Mo., St. Louis—Feb. 4, by G. J. Dietz, supply comr., City Hall, 800 tons 36 in., 1,260 tons 20 in., 440 tons 12 in. and 165 tons 3- to 8-in. c.i. pipe.

Okla., Heavener—City, in market small 350 g.p.m. centrifugal pump against a 300 ft. head, for waterworks. J. H. Brannon, city mgr.

Calif., Los Angeles — Mar. 15, by Bd. Supervs. Los Angeles Co. Flood Control Dist., 165 ft. concrete dam and appurtenant structures, tunnels, spillways, etc., in Sawpit Canyon, 2 mi. north of Monrovia. L. E. Lampton, clk.; adv. E. N.-R. Jan. 28. Noted Dec. 3.

Calif., Mount Shasta (mail Weed)—Feb. 12, by City Trustees, extending waterworks,

See proposal advertisements on page 100, Advertising Section.

Save Time and Money on Your Winter Work

Make *Strong* Concrete in *3 Days* with *Universal* Cement

On some of your construction work in progress during these winter months, high early strength concrete is particularly desirable because:

It has sufficient strength to resist damage by freezing much earlier than ordinary concrete.

It requires protection from freezing for a *shorter* period which means a saving of expense.

It saves time where rush work is required.

You can, with *Universal* cement, obtain quick-hardening, strong concrete in *3 days* by using simple, inexpensive methods that thousands of laboratory tests and actual construction experience prove will give you these desired results.

For detailed information write to

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland New York

Concrete for Permanence

Waterworks (Continued)

4,200 cu.yd. excav., 12,500 ft. 10 in. pipe with fittings, one 100,000 gal. or one 200,000 gal. tank, etc. H. B. Ream, city engr.

BIDS RECEIVED

N. J., Vineland — Bd. Institutions & Agencies, Trenton, B. G. Lewis, comr., Jan. 18, 50,000 gal. steel tank on tower, at New Jersey Home for Feeble Minded, here, from Pittsburgh-Des Moines Steel Co., 30 Church St., New York City, $6,700. Noted Jan. 7

W. Va., Wheeling—Mains in 8 projects, from G. J. Coffey Co., Wheeling, $40,597.

Mich., Detroit—Dept. Water Supply, 4,500 tons 36 in. Class "C" c.i. pipe, from U. S. Cast Iron Pipe & Fdry. Co., East Burlington St., Burlington, N. J., at $42.60 per ton.

Wis., Milwaukee—Central Bd. Purchases, Jan. 22, 3,000 tons 6- to 16-in. Class "C" pipe, from Glamorgan Pipe & Fdry. Co., 122 South Michigan Ave., Chicago, Ill. at $47.40 per ton; 125 tons special castings, from Amer. Cast Iron Pipe Co., 38 South Dearborn St., Chicago, Ill. $84 per ton; 70 offsets and 7 tons special offsets, from J. B. Clow & Sons Co., North Talman Ave. and West Lake St., Chicago, Ill. at $0.775 per lb. and $155 per ton respectively; and tapping sleeves, from B. Hoffmann Mfg. Co., 1819 St. Paul Ave., $0.09 per lb. Noted Jan. 14.

CONTRACTS AWARDED

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Douglaston Parkway, Winchester Blvd., etc., to Gregory Contg. Co., 351 East 124th St., New York City, $117,474. Noted Jan. 21.

N. Y., St. George—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Beach, Bryant, Carlton, Cromwell, Fiedler, Fremont Aves., etc., to Knight & DeMicco, 448 East Tremont Ave., New York City, $25,215. Noted Jan. 21.

Tenn., Brownsville — City will improve waterworks, incl. relaying and extending mains, etc., in various streets, by day labor. $45,000. Noted July 16.

Tenn., Nashville—Auxiliary reservoir at Loves Circle, to Foster & Creighton Co., 4th and 1st Natl. Bank Bldg. Engrs. est. $100,000. Noted Dec. 17.

Mich., Detroit—Dept. Water Supply, five hundred 8 in. and five hundred 6 in. Detroit Water Supply gate valves, to Michigan Valve & Fdry. Co., 3631 Parkinson St., $28.20 and $20.95 each, respectively.

Ill., Lebanon—City Clerk for Bd. Local Impvts., 34,600 ft. 4 and 6 in. c.i. mains, 45 fire hydrants, 32 gates, valves and boxes, etc., to Merkle Contg. Co., Davidson Bldg., Kansas City, Mo., $50,001. Noted Jan. 21.

Wis., Menasha—J. F. De Caro, city clk., 1,884 ft. 6 in., 430 ft. 8 in. and 126 ft. 4 in. c.i. pipe, to Natl. Cast Iron Pipe Co., 122 South Michigan Ave., Chicago, Ill.; 5 hydrants, one 8 in. and seven 6 in. gate valves, to Darling Valve & Mfg. Co., Williamsport, Pa. Engrs. est. to exceed $15,000. Noted Dec. 31.

Calif., San Diego — Common Council, water system in Alta Vista, Homedale Sts., etc., to B. Noble, Spreckels Bldg., $33,783. Noted Jan. 21.

Sewers

PROPOSED WORK

N. C., Cary—See "Waterworks."

Fla., Miami—Making plans 22,950 ft. 10 in. vitr. sewers, replacing 23,850 lin.ft. sidewalks, curbing, guttering, and sheet asphalt paving, in Dist. 185, $150,000; 17,000 ft. 12 in. vitr. sewers, 17,000 lin.ft. sidewalk, curbing and guttering and sheet asphalt paving Dist. 186, $125,000; 800 ft. 15 in. vitr. sewers, 800 ft. curbing, guttering, sidewalk, etc., Dist. 187, and 400 ft. 18 in. vitr. sewer Dist. 188, $10,600. C. S. Nichols, Miami, engr.

Ala., Northport — Voted $40,000 bonds, sewers and water mains in various streets. Noted Dec. 17.

Tenn., South Pittsburg—See "Streets and Roads."

O., Portage — Soon takes bids sanitary sewers in Longmore allotment. $35,000.

Mich., Melvindale (Dearborn P. O., R. F. D. 2)—Making preliminary plans Palmer Ave. Trunk Sanitary Sewer, approximately 6,000 lin.ft. 14- to 33-in. circular concrete pipe. G. Jerome, 1331 Majestic Bldg., Detroit, engr.

Mich., Melvindale (Dearborn P. O., R. F. D. 2)—Plans trunk sewer in Prospect Ave., Sect. 1, 2,552 ft. 42 in. concrete circular pipe Sect 2, 4,227 ft. 33 in. and 36 in. pipe and Sect. 3, 3,125 ft. 27- to 33-in. pipe. $200,000. G. Jerome, 1331 Majestic Bldg., Detroit, engr.

Ill., Addison—Takes bids about Aug. 1, sewers, etc., in various streets. $50,000. E. Hancock, 2047 Ogden Ave., Chicago, engr. Noted Aug. 6.

Ill., Bellewood—Takes bids about June 1, combined sewers in various streets. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Bensenville—Takes bids about June 1, storm water drains in various streets. $100,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Elmhurst—Takes bids about Aug. 1, combined sewers in various streets. $400,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Jonesboro — Takes bids about Mar. 13, disposal plant, mostly 8 and 10 in. sewers, etc. in various streets. $40,000. W. A. Fuller Co., 1917 Ry. Exch. Bldg., St. Louis, Mo., engrs.

Ill., La Grange—Takes bids about Apr. 1, 12- to 74-in. combined sanitary and storm sewers in various streets. $400,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Morton Grove — Takes bids about June 1, sewers in various streets. $300,000. E. Hancock, 2047 Ogden Ave., Chicago, engr. Noted Aug. 6.

Wis., Milwaukee — Metropolitan Sewerage Comn., 508 Market St., J. H. Fowles, secy., making plans 2 mi. concrete main sewers in Burleigh St. and Grand Ave.

Mo., Brentwood (St. Louis P. O.)—Brentwood Sewer Dist. takes bids in March sewers in East Section, 42,600 ft. 8- to 21-in. pipe, 25,000 cu.yd. earth and 627 cu. yd. rock excav., 58,000 lb. c.i., etc.; West Section, 80,000 ft. 8- to 18-in. pipe, 42,900 cu.yd. earth and 3,000 cu.yd. rock excav., 10,000 cu.yd. fire clay, 108,200 lb. c.i., etc. $300,000. A. H. Beard Eng. Co., Manchester Ave, Maplewood, engrs. Noted Nov. 26.

Mo., Charleston — Voted $30,000 bonds, complete sanitary sewerage system. F. L. Wilcox, Chemical Bldg., St. Louis, engrs. Noted Dec. 24.

Mo., University (St. Louis P. O.)—City clerk takes bids about Feb. 1, approximately 9,000 ft. 33 and 36 in. sanitary sewers in Sect. B, River Des Peres, Public Sanitary Sewer Dist. $75,000. W. A. Heimbeucher, City Hall, engr.

Ark., Hot Springs—Takes bids probably in April or May sewers in Oaklawn Dist. Garland Co. Sewer Dist. 1, $50,000; in Crescent Ave. and vicinity, Sewer Impvt. Dist. 86, $10,000; and in Park, Magnolia, Amber, Mt. Ida, Aspian, Glade Polar, Russell and Florence Sts., Sewer Impvt. Dist. 87, $55,000. C. Smith, City Hall, engr.

Ark., Pine Bluff — See "Streets and Roads."

Tex., Alice—Voted $50,000 bonds, sewerage system. J. H. Briggs, Alice, engr.

Tex., San Saba—Plans election $60,000 bonds, sewers in various streets, and probably disposal plant. D. Chadwick, city secy.

Tex., Wellington—Plans sewer improvements, mains, probably disposal plant, etc. $110,000. Devlin Eng. Co., Amarillo, engrs. Noted Jan. 7.

Tex., Wichita Falls — Soon takes bids sewerage disposal plant, incl. 2 story settling tanks, trickling filters and secondary settling tanks. $300,000. Montgomery & Ward, 545 Harvey-Snider Bldg., engrs. J. H. Gregory, Johns Hopkins University, Baltimore, Md., associated engr. Noted Nov. 5.

Okla., Stillwater — Making preliminary plans new sewage disposal plant, Imhoff tank filters, motor driven pumps, etc. $30,000 bonds voted. J. M. McLendon, Stillwater, engr.

Ont., Toronto — East York Twp. soon takes bids vitr. tile sewers in Rosevear Ave. $5,181, Newman Ave. $2,262, Eastdale Ave. $11,863, Hamstead Ave. $6,899. Work involves 7,500 ft. 8 in., etc. pipe. G. R. Jack, 443 Sammon Ave., Toronto, engr.

Ont., Toronto — East York Twp. plans 4,245 lin.ft. 33 and 36 in. concrete pipe in Lumsden, Coxwell and Mortimer Aves. $168,830. G. R. Jack, 443 Sammon Ave., engr.

Ont., Toronto—York Twp. plans 8 in. vitr. tile sewers in Donald Ave. $6,460, Ossington Ave. $5,700, Snider Ave. $8,810, St. Clair Ave. $8,090, Allenvale Ave. $460, Almeda Ave. $4,895, Kersdale Ave. $5,150, and Alexander Ave. $3,398. F. B. Goedike, 40 Jarvis St., engr.

BIDS DESIRED

N. J., Spring Lake — Feb. 8, by Mayor and Boro Council, Boro Bldg., Washington Ave., M. O. Morris, clk., sanitary sewers, electric ejector station, etc. J. M. Braly, boro engr.; adv. E. N.-R. Jan. 28.

Mich., Grand Rapids—Feb. 17, by Director Pub. Serv., City Hall, constructing Silver Creek Drain, Contr. K-4. F. H. Locke, city mgr.; adv. E. N.-R. Jan. 28.

Wis., Chilton—See "Streets and Roads."

Mo., Clayton—Mar. 1, by J. Harnage, secy., Northwest Maplewood Sewer Dist., 500 cu.yd. rock and 16,500 cu.yd. earth excav., 1,700 cu.yd. channel change, 1,672 ft. 42 and 48 in. segmental block and 24,440 ft. 8- to 36-in. vitr. concrete pipe, also 56,300 lb. c.i., etc. A. H. Beard Eng. Co., 7370 Manchester Ave., Maplewood, engrs. Noted Nov. 26.

Mo., St. Louis — Feb. 16, by Bd. Pub. Serv., 208 City Hall, 2,830 ft. 8- to 51-in. vitr. clay, segmental block or brick sewers in North Baden Joint Sewer Dist. $30,000. W. W. Horner, 300 City Hall, engr.

Calif., Los Angeles—Feb. 2, by Los Angeles Co. Sanitation Dist. 4, 8,071 ft. 8- to 18-in. vitr. clay sewer in La Aenega Blvd. Trunk Sewer Dist. from 3rd St. to Cienega Blvd., etc. To exceed $25,000. A. K. Warren, Los Angeles, engr.

Ont., Hamilton—Feb. 4 (extended date), by F. F. Trealeven, City Hall, high tension equipment, transformers, 5 vertical motors, automatic switching equipment, etc. for Gage Ave. Sewage Pumping Station. W. L. McFaul, City Hall, engr. Noted Jan. 21.

BIDS RECEIVED

N. Y., St. George—J. Lynch, pres. Richmond Boro, Boro Hall, Jan. 20, temporary sanitary sewer in Sea View Ave. from Washington Ave. to Quincy St. to Liberty Ave., from J. J. B. La Marsh, 391 Fulton St., Brooklyn, $103,833.

N. J., East Orange—City, 2,810 lin.ft. 12- to 60-in. concrete sewers in Woodland Ave., from F. Greco, 54 Fairmont Terrace, $38,670. Engrs. est. $45,000.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, Jan. 20, main sewer in Rowland Ave. between Tudor and Bleigh Sts., from J. Lombardi, Lincoln Bldg., $7,123; discharge pipes between Southwest Pumping Station and Eagle Creek, from J. J. McHugh, 1617 Race St., $7,070; and understructure in Wheatsheaf Lane between Delaware Ave. and Delaware River, also sewers and pumping station in connection with South Phila. Impvt. south of Packer St. west of Broad St., from G. F. Dobbin, 1020 South 7th St., $30,804 and $30,828 respectively. Noted Jan. 14.

Wis., Milwaukee—Central Bd. Purchases, J. W. Nicholson, ch. buyer, Jan. 22, from Milwaukee Grey Iron Fdry. Co., 39th Ave. and Mitchell St., three hundred 4 flange frames and grates at $0.0273 per lb., four hundred 3 flange $0.03, 400 side inlet boxes $0.04 and 200 manhole covers and lids $0.044.

Calif., Los Angeles—Constructing Arroyo de la Sacatella storm drainage system, from C. R. Adams, Colfax, $767,000. Noted Dec. 10.

CONTRACTS AWARDED

N. J., Westwood — Mayor and Boro Council, sewage treatment works, to Kuchar Bros., Montclair. Noted Dec. 10.

Md., Baltimore—Bd. Awards, storm and sanitary sewers in Sewer Dist. J-4, as listed in Storm Water Contr. 90, to W. H. Thompson Constr. Co., Relay, $90,084. Noted Jan. 7.

Fla., Lake Wales—L. F. Kramer, mayor, sanitary sewer and disposal plant, to C. K. Horton, 2202 Clay St., Houston, Tex., $74,000. Noted Dec. 31.

Ala., Selma — Sanitary sewerage system, to Roberts & Co., Tuft Bldg., Atlanta, Ga., $250,000. Noted July 16.

O., Cleveland—Cuyahoga Co., 3,500 ft. 8 and 36 in. concrete sewers in Mayfield and Belrose Aves., to Joseph Co., Prospect-Fourth Bldg., $23,956. Noted Jan. 7.

Mich., Detroit—Dept. Pub. Wks., Lonyo Road Pumping Station, incl. 25 x 40 ft. concrete pump pit, pumps, etc., to R. D. Baker, 1631 Elmhurst Ave., $85,000.

Wis., Beaver Dam—W. A. Gergen, city clk., 3,096 ft. tunnel work, 20 to 50 ft. deep, for sewers in 9 streets, to Szukalski & Matke, 1089 American Ave., Milwaukee, $29,841. Noted Jan. 14.

Wis., Wauwatosa—Bd. Pub. Wks., A. V. Brigham, secy., concrete storm sewers in East North Ave., to Szukalski & Matke, 1089 American Ave., Milwaukee, $22,163; and vitr. sanitary sewers in 14th and 15th Aves., to Blunt Bros., Waterloo, Ia., and Janesville, $8,086. Noted Dec. 17.

Ia., Earlham—Sanitary sewerage system, to E. L. Royer Constr. Co., 442 Insurance Exch. Bldg., Des Moines, $35,700; disposal plant, to Repass Constr. Co., 3832 8th St., Des Moines, $9,985. Noted Aug. 6.

Mo., University (St. Louis P. O.) — For approximately 3,000 ft. 21- to 33-in. vitr. clay and 42- to 60-in. segmental block

See proposal advertisements on page 100, Advertising Section.

The ECONOMY of Concrete Pipe

INDEPENDENT Reinforced Concrete Pipe, because of their adaptability, low installation cost, small maintenance cost and great durability, make a remarkably economical, as well as the most efficient sewer material.

Past years have demonstrated beyond question that sewers can be built better and at lower cost with Independent Reinforced Concrete Pipe. Once properly installed an "Independent" sewer is good for generations of continuous service.

Independent Pipe are made in sizes ranging from 24 to 108 in. in diameter. The pipe are manufactured in the locality where they are to be installed. Local labor and local materials are used to the greatest possible extent.

Contractors are invited to phone, wire or write for estimates and complete data on any concrete pipe work. Municipal officials interested in low first costs, low maintenance and long service for their sewers are urged to send for our special booklet.

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BELOIT, WISC.
Ills.-Wisc. Concrete Pipe and Tile Co.
C. E. RICHARDSON, Mgr.

CHICAGO, ILLS.
Illinois Concrete Sales Co.
603-4 City Hall Square Bldg.
FRANK NOVONTY, Mgr.

COLUMBUS, OHIO
Ohio Sales Agency
300 South High St.
E. W. HAWKE, Mgr.

OKLAHOMA CITY
Concrete Pipe Co. of Okla.
203 Grain Exchange Bldg.
E. A. BARNES, Mgr.

INDEPENDENT CONCRETE PIPE CO., 202 N. West St., Indianapolis, Ind.

INDEPENDENT
Reinforced Concrete Pipe

Sewers (Continued)

sewers in North and South Joint Sewer Dist., to F. C. Stolle Contg. Co., Buder Bldg., St. Louis, $33,000; and concrete paving Kingsland St. between Olive St. and Clemens Ave., to Allied Contractors, 1803 Douglas St., Omaha, Neb., $13,300.

Okla., Oklahoma City — City, general contract 2 sewage disposal plants, to W. E. Moore, 529 West 20th St., Oklahoma City, $85,000. Noted Jan. 14.

Waste Disposal

PROPOSED WORK

Ont., Walkerville — See "Streets and Roads."

CONTRACTS AWARDED

W. Va., Fairmont — City Bd. Dirs., incinerator plant, to Universal Destructor Co., Fulton Bldg., Pittsburgh, Pa., $27,500.

Bridges

PROPOSED WORK

Rhode Island—Mt. Hope Bridge Comn., State House, Providence, plans concrete and steel toll bridge connecting Portsmouth and Bristol. D. O. Cargell, 21 State House, Providence, engr.

N. Y., New York — Dept. Plants & Structures, Municipal Bldg., rejected bids Dec. 28, reconstructing High Bridge over Harlem River, between Manhattan and Bronx Boros. Noted Jan. 7.

N. J., Franklin — Boro Council plans bridge across railroad tracks on Franklin-North Church Rd. $138,590. Sussex Co. and 3 railroad companies appropriate toward cost. Engineer not selected.

Ind., Anderson—Madison Co. plans approximately 4 span 800 ft. bridge, near Moss Island. $70,000.

Tex., Abilene—See "Streets and Roads."

Tex., Anderson—See "Streets and Roads."

Tex., Austin—See "Streets and Roads."

Tex., Barstow — See "Streets and Roads."

Tex., Bay City—See "Streets and Roads."

Tex., Floydada—See "Streets and Roads."

Tex., Groveton—See "Streets and Roads."

Tex., Madisonville — See "Streets and Roads."

Tex., San Antonio — City, J. W. Tobin, mayor, City Hall, soon takes bids 90 ft. rein.-con. and steel bridge, 50 ft. across San Antonio River, at Market St. $40,000. I. Ewig, city engr. Noted Sept. 14.

Tex., Waxahachie — See "Streets and Roads."

Oklahoma — State Hy. Dept., Oklahoma City, making preliminary plans 1 span 116 ft., steel truss bridge on concrete piers over Poteau River, Highway 23, north of Howe on $40,000 and 1 span 96 ft. steel truss bridge on concrete piers over Poteau River on Highway 23, at Heavener, $35,000, both Le Flore Co. J. M. Page, highway engr.

Okla., Eufaula—State Hy. Dept., Oklahoma City, made surveys 4 span 880 ft. truss bridge on concrete piers over South Canadian River, McIntosh Co., near here. $175,000. J. M. Page, highway engr.

Wash., Hoquiam — City and State Hy. Dept., Olympia, plans 1,700 ft. bridge, incl. 3 or 4 fixed steel and one 190 ft. movable spans and 1,100 ft. treated timber trestle approach, 24 ft. roadway, etc., over Hoquiam River. J. W. Hoover, Olympia, ch. engr.

Wash., Newport — State Hy. Depts., Olympia, Wash., and Boise, Idaho, plan approximately 1,240 ft. bridge, incl. probably four 180 ft. steel through spans, 520 ft. concrete or treated timber approach, etc., over Clark Fork of Columbia River, on State Rd. 6, Pend Areille Co., here. $150,000. J. W. Hoover, Olympia, engr., and W. J. Hall, Boise, Idaho, comr. Pub. Wks.

Calif., Orwood (mail Middle River) — Atchison, Topeka & Santa Fe R.R., 1001 3rd St., San Francisco, made plans double track lift bridge over Old River, here. $400,000. Eng. Dept., of Owner's, engrs.

Ont., Toronto — Scarboro Twp. plans Yonges Bridge, 25 ft. span, rein.-con., $5,905; Maxwells Bridge, 75 ft. span, with concrete abutments, $7,000, or with steel truss $6,700; new abutment for River Rouge Bridge, $3,500; 20 ft. span bridge on Road 18, $2,500; 14 ft. span on Road 9, $1,000; and 10 ft. span on Road 7, $2,000. C. E. Fraser, 1361 Kingston Rd., Toronto, engr.

BIDS DESIRED

Conn., Bridgeport—J. A. McElroy, city engr., City Hall, taking bids foundations probably steel and concrete swinging draw span bridge, Stratford Ave., for City. $800,000. Noted Dec. 17.

N. Y., New York—Feb. 4, by Park Bd., F. D. Gallatin, pres., Arsenal Bldg., 64th St. and 5th Ave., concrete arch bridge and approaches, at Boston Rd. and Bronx River, Bronx Park, Boro of Bronx.

New Jersey—See "Streets and Roads."

Missouri — Feb. 5, by State Hy. Dept., Jefferson City, one 40 ft. rein.-con. deck girder span, etc., over Mains Creek, Audrain Co.; three 20 ft. rein.-con. slab spans, etc., over Castor River Overflow, and three 140 ft. steel truss spans, etc., over Castor River, all in Bollinger Co.; one 86 ft. steel truss span, etc., over Contrary Creek, Buchanan Co.; one 20 ft. rein.-con. slab span, etc., over West Dog Creek, Daviess Co.; one 30 ft. I-beam and four 16 ft. timber spans, etc., over railroad tracks, DeKalb Co.; three 100 ft. rein.-con. arch spans, etc., over Sac River, Greene Co.; one 30 ft. rein.-con. girder span, etc., over Pipes Creek, and three 45 ft. rein.-con. deck girder spans, etc., over Sulphur Creek, Howard Co.; two 10 ft. rein.-con. slab spans, etc., over stream, three 20 ft. rein.-con. slab spans, etc., over Hickory Creek, three 20 ft. rein.-con. slab spans, etc., over Turkey Creek, four 20 ft. rein.-con. slab spans, etc., over Turkey Creek Overflow, one 40 ft. rein.-con. deck girder span, etc., over Little Turkey Creek, three 30 ft. rein.-con. deck girder spans, etc., over Big Parsons Creek, fifteen 20 ft. rein.-con. slab spans, etc., over Big Parsons Overflow, three 30 ft. rein.-con. deck girder spans, etc., over Little Parsons Creek, one 86 ft. steel truss and eight 20 ft. I-beam spans, etc., over Muddy Creek Overflow, twenty-two 20 ft. I-beam spans, and one 80 ft. steel truss span, etc., over Locust Creek Overflow, one 80 ft. steel truss, and four 20 ft. rein.-con. slab spans, etc., over Locust Creek, all foregoing in Linn Co.; three 20 ft. rein.-con. slab spans, etc., over McDougal Branch, Newton Co.; two 30 ft. and one 40 ft. rein.-con. deck girder spans, etc., over Panther Creek, St. Clair Co.; one 12 ft., two 14 ft. and two 24 ft. rein.-con. slab spans, etc., over drainage ditch, Stoddard Co.; three 10 ft. and two 12 ft. rein.-con. slab spans, etc., over stream, one 60 ft. steel truss span, etc., over Robinson Creek, and two 80 ft. steel truss spans, etc., over Clear Creek, all foregoing in Vernon Co.; two 8 ft. and one 20 ft. rein.-con. slab spans, etc., over stream, one 20 ft. rein.-con. slab span, etc., over branch Turkey Creek, two 25 ft. deck girder spans, etc., over Frazier Creek, one 30 ft. rein.-con. deck girder span, etc., over Wards Creek, one 45 ft. rein.-con. deck girder span, etc., over Turkey Creek, one 45 ft. and two 30 ft. rein.-con. deck girder spans, etc., over Bear Creek, and one 40 ft. rein.-con. deck girder spans, etc., over Bounds Creek, all foregoing in Wayne Co. B. H. Piepmeier, ch. engr. Noted Jan. 21.

Tex., Falfurrias — See "Streets and Roads."

Washington — Feb. 16, by State Hy. Dept., Olympia, one 126 ft. steel through, two 82 ft. and one 55 ft. concrete T-beam spans, etc., on State Rd. 1, between Chehalis and Cowlitz, Chehalis & Cascade R.R. tracks, Lewis Co. J. W. Hoover, highway engr.

Wash., Wenatchee — Feb. 3, by Comrs. Chelan Co., one 15 ft., two 37½ ft. two 45 ft. and one 52½ ft. rein.-con. T-beam spans, etc. over Dry Gulch, near here. To exceed $25,000. J. Duff, Wenatchee, co. engr.

Ont., London — Feb. 15, by C. Talbot, engr., County Bldg., 4 steel bridges in Middlesex Co. $90,000. Noted Dec. 17.

BIDS RECEIVED

South Carolina—See "Streets and Roads."

Ill., Rockford—See "Contracts Awarded."

CONTRACTS AWARDED

North Carolina — State Hy. Dept., Raleigh, to J. S. Bowers, Whiteville, rein.-con. bridges, etc. on Project 6610, Richmond Co., 24 cu.yd. Class "AA" concrete at $35 per cu.yd. 824 cu.yd. Class "A" concrete $28, 130,050 lb. reinforcing $0.055, etc., total $32,109. Noted Dec. 24.

North Carolina — State Hy. Dept., Raleigh, to J. M. Gregory & Co., Spartanburg, S. C., rein.-con. bridges on Project 755, Stokes Co., 59 cu.yd. Class "A A" concrete at $35 per cu.yd., 2,121 cu.yd. Class "A" concrete $28, 319,700 lb. reinforcing $0.05, etc., total $82,143. Noted Dec. 24.

Miss., Vicksburg — Warren Co., bridge over Yazoo River at Snyders Bluff, to Meyer & Greenwald Constr. Co., Meridian, $241,222. Noted Oct. 8.

Mich., Wyandotte—City, 25 ft. rein.-con. bridge, 40 ft., over Ecorse Creek, at Emmons Blvd., to A. Phelps & Sons, Ann Arbor, about $25,000. Noted Dec. 24.

Ill., Rockford—Bd. Local Impvts., J. H. Hallstrom, pres., west approach and river span of 6 span 1,446 ft. rein.-con. bridge across Rock River, to Standish Eng. Co., 400 North Michigan Blvd., Chicago, $195,208; east viaduct approach of above bridge, from Powers-Thompson Constr. Co., 221 South Chicago Ave., Joliet, $81,046. This corrects report in Jan. 7 issue.

Kan., Coffeyville—Clerk Montgomery Co. (Independence), two 82 ft. and one 122 ft span concrete arch bridge, on Federal Aid Project 332, near here, to Fifield Constr. Co., L. & J. Bank Bldg., Waterloo, Ia., $40,856. Engrs. est. $42,000. Noted Dec. 10.

Kan., Howard—See "Streets and Roads."

Kan., Wellington—Sumner Co., bridges on Federal Aid Project 323-A and B, to Wilson Constr. Co., Warrensburg, Mo., $102,994; culverts on road road, to Schultz Constr. Co., Parsons, $20,663.

Tex., Orange — Orange Co., 2,717 ft. creosoted pile trestle bridge, 18 ft. roadway, across Old River Cove, on Orange-Port Arthur Highway, State Aid Project 664, to A. C. McFarlane, Orange, $49,315. Noted Jan. 21.

California—State Hy. Dept., Sacramento, 0.7 mi. timber trestle across Big Lagoon, grading and surfacing, etc., 0.7 mi. road between point ¼ mi. west and point ¾ mi. east Big Lagoon, Humboldt Co., to Mercer-Fraser Co., Eureka, $140,251. Engrs. est. $159,630. Noted Dec. 31.

Dams

PROPOSED WORK

Pa., Lock Haven — See "Waterworks under Bids Desired."

Texas—City of Corpus Christi, Nueces Co. (Corpus Christi), Jim Wells Co. (Alice), San Patricio Co. (Sinton) and Live Oak Co. (George West) making surveys 5,500 ft. concrete dam across Nueces River near Sandia, impounding sufficient water for 140,000 irrigated acres in above counties for irrigation and domestic purposes, and supplying city of Corpus Christi with 100,000 cu.ft. per second. $3,500,000. Address H. Levinson, Corpus Christi, city engr.

Ontario—See "Buildings—Industrial."

Railways

PROPOSED WORK

Pennsylvania—Pennsylvania R.R. Co., A. C. Shand, ch. engr., Broad St. Sta., Phila., and Baltimore & Ohio R.R. Co., E. A. Lane, ch. engr., Baltimore and Charles Sts., Baltimore, Md., plan elevating railroad 25th and Washington Sts. to Passyunk Ave. and Greys Ferry Rd. between Schuylkill and Delaware Rivers; also relocating and completing viaduct. $3,000,000.

Mississippi—Illinois Central R.R. Co., 135 East 11th Pl., Chicago, Ill., A. F. Blaess, ch. engr., plans additional track in northern part of Jackson, Miss. T. J. Quigley, McComb City, div. supt.

Missouri—See "Waterworks" under St. Louis.

Texas—See "Unclassified" under Collado (mail Lobo).

BIDS DESIRED

Illinois—See "Buildings—Industrial" under Kankakee.

Excavation, Drainage, Irrigation, Levees River and Harbor

PROPOSED WORK

Ind., New Castle—Henry Co. plans draining 50 mi. Blue River, extending through 10 townships, etc. $100,000. W. S. Freel, New Castle, surv.

Ia., Onawa — Monona Co. takes bids about Mar. 1, 210,000 cu.yd. excav. in open ditch. C. B. Zorn, Court House, engr.

Texas—See "Dams."

Calif., Vallejo—Making surveys reclamation of marsh lands, channel dredging, changing of bulkhead and pierhead lines, sub-dividing city owned tidelands and construction piers and wharves. T. D. Kilkenny, city engr.

BIDS DESIRED

Florida—See "Streets and Roads."

Fla., Lake Wales—Feb. 3, by City Comn., dredging and improving lake front, 150,000 cu.yd. fill. Bishop Eng. Co., Box 477, Orlando, engrs.

Fla., Sarasota—E. J. Bacon, mayor, taking bids approximately 1,800,000 cu.yd. dredging, etc., in Sarasota Harbor. J. M. Braxton, Harbor engr.; adv. E. N.-R. Jan. 28.

Fla., St. Augustine—Feb. 18, by City Bd. Trustees, reclamation marsh or submerged lands, etc. J. E. Craig, 427 King St.,

See proposal advertisements on page 100, Advertising Section.

INDUSTRIAL

WHY INDUSTRIAL SPELLS ECONOMY

THERE are two traits built into INDUSTRIAL crawling tractor cranes, shovels and draglines, that result in economy. Both of these qualities are known the world over. They are *Dependability* and *Durability*.

You can depend on an INDUSTRIAL being right on the job whenever you need it. And it stays right on the job for so long a time that it proves a true economy. The first cost of an INDUSTRIAL is surprisingly low—the final cost, the lowest.

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INDUSTRIAL WORKS · BAY CITY · MICHIGAN

Excavation, Drainage, Irrigation, Levees, River and Harbor (Cont.)

Jacksonville, consult. engr.; adv. E. N.-R. Jan. 28.

Kan., Garden City—Jan. 30, by Finney Co. Water Users Assn., C. A. Danner, pres., 9.75 mi. irrigation canals, 300,000 cu.yd. excav. $40,000. B. L. Allen, Garden City, engr.

Ia., Oskaloosa — Feb. 10, by Auditor Mahaska Co., cutting new 7 mi. channel for South Skunk River in D. D. 6, Sect. 1, 159,615 cu.yd. excav., and Sect. 2, 190,708 cu. yd. Noted Jan. 8, 1925.

Calif., Grass Valley—Feb. 5, by Directors Nevada Irrigation Dist., improving 6,050 ft. Sect. 1 Bowman Lake Mt. Rd., 5,900 cu. yd. excav., 6,400 sq.yd. surfacing, timber bridge and 7 culverts, etc. F. H. Tibbetts, Alaska Commercial Bldg., San Francisco, dist. engr.

CONTRACTS AWARDED

Mich., Monroe — Lane Steamship Line, dredging 5,400 ft. channel 150 ft. wide, 15 ft. deep into Lake Erie and deepening canal at Monroe Pier, to Dunbar & Sullivan, 2312 Buhl Bldg., Detroit.

Ia., Onawa—Monona Co., approximately 97,000 cu.yd. excav. in Gray D. D., etc., to Boyne Constr. Co., Council Bluffs, $12,043.

Tex., Galveston—See "Unclassified."

Tex., Rockport—Breakwater and dredging harbor in front of here, to D. M. Picton & Co., Rockport, approximately $55,000.

Streets and Roads

PROPOSED WORK

Mass., Boston — Plans loop highway across city from Charles River Dam to corner Bway. and Albany Sts. $27,837. Private plans.

Conn., Meriden — Plans paving various streets. $75,000 appropriated. C. P. Prann, city engr.

New Jersey—State Hy. Dept., Trenton, plans concrete paving approximately 1 mi. Absecon Cutoff, 40 ft., Route 3, Atlantic Co., 1 mi. Clinton Cutoff, 20 ft., Route 9, Hunterdon Co., and 1 mi. Dover Cutoff, 20 ft., Morris Co.; also shale paving approximately 5 mi. High Point Road, 20 ft., Sussex Co. W. G. Sloan, Trenton, highway engr.

N. J., Dover—Sussex Co. (Newton) plans improving 6 mi. Swartswood Lake Rd. with state aid, here. H. Snook, Newton, engr.

N. J., Summit — Union Co. (Elizabeth) plans improving 1 mi. Morris Ave., here, with state aid. J. L. Bauer, 120 Broad St., Elizabeth, engr.

N. J., Trenton—City Comn. soon takes bids widening and relocating 1 block West State St. from Chancery Lane to Willow St. $40,000. J. E. English, City Hall, engr.

Pa., Morrisville — Plans concrete paving South Pennsylvania Ave., 30 ft. D. S. Mershon, chn. Street Com. State Aid appropriates toward cost. Engineer not selected.

W. Va., Charleston — Jefferson Dist., Kanawha Co., election Feb. 9, $275,000 bonds, improving roads. R. R. Barton, Charleston, co. engr.

W., Va., Morgantown—Clay Dist. plans election $525,000 bonds and Grant Dist. $465,000 bonds improving roads, in Monongalia Co. A. J. Baritell, Morgantown, co. engr.

Fla., Miami — Plans grading, curbing, guttering, and sheet asphalt paving 10,300 sq.yd. Northwest 7th Ave. from Northwest 5th to 11th Sts., Impvt. H-310 $35,000, 1,800 sq.yd. Northwest 5th St. from Northwest 1st Ave. to point 150 ft. east of Northwest First Court Impvt. H-312 $9,000, and 2,500 sq.yd. Impvt. H-305 $9,000; grading, curbing, guttering, widening and sheet asphalt paving 6,500 sq.yd. Northwest 5th St. from Bay Shore to Northwest 1st Ave., Impvt. H-311, $40,000. B. M. Duncan, Miami, engr.

Ala., Attalla — Plans paving various streets. $40,000.

La., Slidell—Eighth Ward, St. Tammany Parish plans graveling various roads. $150,000.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, takes bids about Feb. 18, probably concrete surfacing, 7.5 mi. Tipton Co. line-Shelby Co. line Rd., Fayette Co., and 11.5 mi. Greenville-Washington Co. line Rd., Green Co., both 18 ft. C. N. Bass, acting, comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, takes bids about Feb. 22, probably concrete paving, 7 mi. Dyersburg-Lauderdale Rd., Dyer Co.; and 6.5 mi. Trenton-Dyer Rd., Gibson Co. C. N. Bass, acting comr.

Tenn., South Pittsburg—Election Feb. 15, $70,000 bonds, paving and sewers in various streets.

O., Akron — Summit Co. takes bids in spring macadamizing 4 mi. Massillon Rd. south of here, 16 ft. $160,000.

O., Canton—Bd. Control soon takes bids improving Hartung Pl. N. E., from Cherry Ave. N. E. to Spring Ave. N. E. $30,000. W. E. Sarver, City Hall, engr.

O., Lisbon—Columbiana Co. soon takes bids improving 1.25 mi. Pine Lake Rd. from Pine Lake to Cox Highway, 16 ft. $40,000. L. A. Kirk, Lisbon, engr.

O., Marion — Marion Co. takes bids in spring improving Mt. Vernon Rd. 3 mi. east to Mud Pike, $50,000; and rebuilding 3 mi. Smeltzer Pike, 16 ft., $42,500.

O., Ravenna—Portage Co. takes bids in spring improving 1 mi. New Milford Rd., 16 ft. $40,000.

Ind., Auburn—De Kalb Co. plans grading and graveling 4.2 mi. Nicholls Rd., 26 ft. $27,000. C. Klain, Auburn, engr.

Ind., Decatur—Adams Co. plans waterbound macadam paving 3 mi. Fetters Rd., $27,500; 2.7 mi. Boerger Rd., $27,000; and 2.9 mi. Gerbert Rd., $28,000, all 26 ft. D. Boch, Decatur, engr.

Ind., Fort Wayne—O. M. Darling, engr., Fort Wayne, rejected bids Dec. 19, concrete surfacing 23,232 sq.yd. Seddlemeyer Rd., for Allen Co. $57,119. Will readvertise. Noted Dec. 17.

Ind., Hartford City—Plans sheet asphalt on concrete paving 10,560 sq.yd. East Commercial Rd., $25,500, and 12,820 sq.yd. Weber Rd., $26,200.

Ind., Indianapolis—Marion Co. plans concrete paving 3½ mi. Tibbs Ave. from Washington to 13th Sts., $110,000; 1½ mi. Allisowille Rd. along Fairgrounds to Keystone Ave., 20 ft., $47,000; also 3 mi. Acton Rd., 20 ft., $102,000. W. W. Southard, Court House, engr.

Ind., Plymouth—Marshall Co. plans grading and graveling 4 mi. Lake Rd., 26 ft. $26,000. J. Hildebrand, Plymouth, engr.

Ind., Terre Haute—Vigo Co. plans concrete paving 10,560 sq.yd. Jackson Rd., $25,942; 12,320 sq.yd. Fisbeck Rd., $28,800; and 8,800 sq.yd. Fisbeck Rd., Sect. 2, $26,896. G. Grimes, 1006 South Center St., Terre Haute, engr.

Mich., Detroit—Making plans 3½ in. sheet asphalt on 8 in. concrete paving, etc. 1,900 sq.yd. Amos Ave. from Ohio to Oakman Highway $8,640, 12,800 sq.yd. Doris Ave. from Linwood to Livernois Aves. $57,580, 3,240 sq.yd. Otto Ave. from Ohio to Esper Aves. $14,580, and 2,400 sq.yd. Cedar Grove Ave. from Chalmers to Celestine Aves. $42,000; also 9,350 sq.yd. Illene Ave. from Fullerton to Schoolcraft Aves., $42,000. P. A. Fellows, City Hall, engr.

Ill., Bellewood—Takes bids about June 1, grading, curbing and concrete paving various streets. $400,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Bensenville—Takes bids about Aug. 1, grading, curbing and concrete paving various streets. $200,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Brookfield—Takes bids about June 1, grading and paving concrete sidewalks, $100,000; and concrete paving various streets, $40,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Decatur—Takes bids in spring, grading, curbing and vibrolithic paving 3½ blocks St. Louis Ave., 28 ft. $33,213. M. P. O'Brien, City Hall, engr.

Ill., Elmhurst—Takes bids about May 1, grading, curbing and bituminous macadam paving various streets. $500,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Elmwood Park (mail Chicago) — Takes bids about June 1, grading, curbing and concrete paving various streets. $900,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Evergreen Park—Takes bids about July 1, grading, paving and concrete sidewalks on various streets. $100,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Hillsboro—Montgomery Co., H. H. Blackburn, chn. Road & Bridge Comn., and C. E. Landers, chn. Finance Comn, Hillsboro, take bids latter part February 50 cars road oil on various roads $25,000. P. M. Bandy, Court House, supt. highways.

Ill., La Grange—Takes bids about June 1, grading, curbing and concrete paving various streets. $100,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., La Grange Park (La Grange P. O.) —Takes bids about Mar. 1, grading, curbing and asphalt paving, etc., various streets. $80,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., La Grange Park (La Grange P. O.)— Takes bids about June 1, asphalt paving various streets. $200,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Morton Grove—Takes bids about May 1, grading, curbing and concrete paving various streets. $100,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Peoria—Peoria Co. plans 9 in. graveling 35 mi. various roads, 12 ft. $50,000. W. E. Emery, Court House, engr.

Ill., Staunton—City and State Dept. Pub. Wks. & Buildings, Springfield, take bids about Apr. 13, grading, curbing and concrete paving 8,200 ft. Main St. (State Highway 4), 30 ft. W. A. Fuller Co., 1917 Ry. Exch. Bldg., St. Louis, Mo., engrs. Noted Oct. 1.

Wis., Merrill—H. R. Allen, city clk., plans vibrolithic concrete paving Parkway between 3rd and Merrill Sts., Merrill St. between Parkway and Prospect St., 1st St. between Center and Mill Sts., Mill St. between 1st and 3rd Sts., Scott St. between 1st and 3rd Sts., South Genessee St. between railroad tracks and West Main St., also Poplar St. between 1st and Main Sts. To exceed $25,000. Engineer not selected.

Wis., North Milwaukee (Milwaukee P. O.) —Making plans various types paving approximately 35 blocks 15 streets, also 13 alleys. W. E. Chase, city clk.

Wis., Sheboygan Falls — L. Kalk, city clk., making plans improving concrete curbing, guttering, grading and rein.-con. paving, etc., 33,117 sq.yd. 13 streets. J. Donohue Eng. Co., 608 North 8th St., Chicago, Ill., engrs.

Ia., Harlan—Shelby Co. plans grading, etc., 12.5 mi. Harlan-Defiance Rd., during 1928. $154,000. F. W. Sarvis, Harlan, engr.

Ia., Harlan—Shelby Co. plans graveling 22 mi. Routes 4 and 7 from Harlan south to Harrison-Shelby Co. line on 39, during 1927. $84,000. F. W. Sarvis, Harlan, engr.

Ia., Harlan — Shelby Co. making preliminary plans improving 12 mi. Primary Road 7, and finish grading Primary Rd. 39, through Portsmouth, etc., during 1926. $75,000. F. W. Sarvis, Harlan, engr.

Ia., Marshalltown—Soon takes bids curbing, guttering and paving 20 blocks various streets. $70,000. A. McMahon, city clk.

Minn., Fairmont—W. R. Sturgeon, city clk., making plans paving ½ mi. Tilden St. $25,000. T. Custis, city engr.

Minn., Hibbing—J. L. G. Colob, city clk., making plans paving 2 mi. Iron Junction Rd. $50,000.

Montana—State Hy. Dept., Helena, made plans and takes bids in March, grading and 15 ft. gravel surfacing 15.5 mi. Billings-Hardin Highway, Yellowstone Co.; $125,000; and 7.5 mi. Ravalli-Dixon Highway, Federal Aid Project 197, Sanders Co., $58,000. State Hy. Dept., Helena, engrs.

Montana — State Hy. Dept., Helena, making plans grading and 16 ft. gravel surfacing, etc. 13 mi. Blackfeet Highway, Federal Aid Project 226, $140,000; and 24 mi. Blackfeet Highway, Federal Aid Project 227—A and B, $250,000, both in Glacier Co. State Hy. Com., Helena, engrs.

Mont., Shelby — Made plans gravel and concrete or asphalt paving, etc. 0.7 mi. Main St. Federal Aid Project 225, 24 ft. $30,000.

Mo., Kansas City — Making preliminary plans boulevard from 12th St. and Van Brunt Blvd. to east city limits. $300,000. P. McGeehan, city engr.

Mo., Kansas City — Making preliminary plans paving various streets in downtown dist. $150,000. P. McGeehan, city engr.

Mo., St. Joseph — Making preliminary plans grading, curbing and paving 16 blocks 6th and 5th Ave, Seneca, 18th, Charles and Sylvanie Sts. W. K. Seitz, City Hall, engr.

Arkansas—State Hy. Dept., Little Rock, making preliminary plans grading and hardsurfacing 2 mi. Hot Springs-Malvern Rd., 18 ft. R. C. Limerick, state engr.

Ark., Benton—Soon takes bids grading, curbing and concrete paving 1.25 mi. streets in Paving Dist. 1, 18 ft. A. M. Lund, 528 Southern Trust Bldg., Little Rock, engr.

Ark., Hot Springs — Making preliminary plans grading, curbing and hardsurfacing 10 blocks various streets in vicinity of high school. C. Smith, City Hall, engr.

Ark., Pine Bluff — Making preliminary plans grading, curbing, etc., Laurel, Oak, Elm and Poplar Sts. from Barrague to 6th Sts., Dist. 90, and Pullen St. from Cedar to Walnut Sts., and Walnut St. from Pullen to Barrague Sts., Dist. 92, also storm sewers in Dists. 1 and 2. R. E. Lee, city clk.

Tex., Abilene—Taylor Co. making plans grading and 4 concrete bridges over 20 ft. span on 5.74 mi. State Highway 1 from Callahan Co. line to here, 26 ft. $45,300. L. C. McCanlies, Abilene, co. engr.

Tex., Abilene — Plans warrenite bitulithic paving 7 blocks North 2nd St. from

See proposal advertisements on page 100, Advertising Section.

Streets and Roads (Continued)

Ash St. to Cedar Creek, and North 19th St. from Grape to Hickory Sts. $40,000. O. K. Hobbs, city engr.

Tex., Alice—Voted $50,000 bonds paving various streets. J. H. Briggs, Alice, engr. Noted Jan. 7.

Tex., Anderson—Grimes Co. made plans and soon takes bids grading and bridging, etc. 5.09 mi. State Highway 90 from Navasota to Madison Co. line, 26 ft. $37,300. O. A. Seward, Jr., Navasota, engr.

Tex., Austin—Travis Co. made plans and soon takes bids grading and bridging, etc. 4.85 mi. State Highway 20, 26 ft. $53,800. J. E. Motheral, 722 Cong. Ave., engr.

Tex., Austin—Travis Co. made plans and soon takes bids double bituminous surface treating 7.89 mi. Austin-Fredericksburg Highway, 18 ft. $80,600. J. E. Motheral, 722 Cong. Ave., engr.

Tex., Barstow—Ward Co. making plans grading, bridging and caliche surfacing 4.6 mi. State Highway 1, 16 ft. $148,000. S. S. Posey, Pecos, engr.

Tex., Bay City—Matagorda Co., making plans grading, bridging and oyster shell surfacing 33.9 mi. State Highway 58, 18 ft. $431,700. E. N. Gustafson, Bay City, co. engr.

Tex., Boston — Bowie Co. election soon $250,000 bonds paving 72,000 sq.yd. Beverly Heights. D. K. Caldwell, Boston, co. engr.

Tex., Brownsville — Cameron Co. plans hard paving 7 mi. Ocean Beach Dr., 25 ft. $75,000. A. E. Anderson, Brownsville, engr.

Tex., Burnet — Burnet Co. election soon $310,000 bonds, hard paving main highways. Address County Engineer, Burnet.

Tex., Childress—Childress Co. making preliminary plans grading and bituminous paving about 40 mi. Highway 40, 18 ft. $1,200,000. L. O. Cox, Childress, div. highway engr.

Tex., Floydada—Floyd Co. making plans grading, bridging and graveling 13 mi. Main Highway. $160,000. G. A. Lider, Floydada, co. engr.

Tex., Galveston — Galveston Co. plans election in February, $150,000 bonds, improving approximately 9 mi. Port Arthur-Galveston Highway, from Port Bolivar to High Island. C. C. Washington, Galveston, co. engr. Noted Dec. 31.

Tex., Grand Prairie — G. H. Turner, mayor, soon takes bids paving 9,800 yds. various streets. $28,000. Former bids rejected. Koch & Fowler, Central Bank Bldg., Dallas, engrs.

Tex., Groveton — Trinity Co. making plans clearing, grubbing, bridging and grading 23.5 mi. Groveton Lufkin Rd., $230,000; and 9.3 mi. Groveton-Corrigan Rd., $50,000, both 26 ft. J. O. Booker, Lufkin, resident engr.

Tex., Halletsville—Lavaca Co. plans ¾ in. limestone rock asphalt on gravel paving 14.23 mi. State Highway 3-B, Federal Aid Project 373-B, Unit 2, 16 ft. $221,000. W. H. Koether, Halletsville, co. engr.

Tex., Madisonville—Madison Co. making plans grading and bridging 12.5 mi. State Highway 45, from Madisonville to North Zulch, 26 ft. $90,000. A. McCormack, Madisonville, co. engr.

Tex., Richmond—Ft. Bend Co. soon take bids rein.-con. paving 15 mi. State Highway 3, Federal Aid Project 326 Unit 2, 18 ft. $450,000. C. H. Kendall, Sugarland, co. engr.

Tex., San Antonio — Bexar Co. making plans graveling 5 mi. St. Hedwig-Elmendorf Rd. $60,000. A. C. Pancoast, c/o Courthouse, co. engr.

Tex., Seymour—Baylor Co. made plans and soon takes bids 18 ft. concrete and bituminous macadam paving 13.68 mi. State Highway 30, Federal Aid Project 4 2-A, Unit 2. $195,000. J. G. Rollins, Seymour, resident engr.

Tex., Waxahachie — Ellis Co. making plans grading, bridging, etc., 0.866 mi. State Highway 34, 26 ft. $27,000. W. A. Spalding, Waxahachie, co. engr.

Tex., Wharton — Voted $85,000 bonds, permanent paving Burleson St. to connect with Milan and Fulton Sts., etc. E. D. King, city engr. Noted Jan. 7.

Oklahoma — State Hy. Dept., Oklahoma City, making surveys grading, etc. 7 mi. Poteau-Howe Rd., State Road 18, Le Flore Co., $40,000 and 28 mi. Spiro-Stigler Rd., State Aid Project 295-A, B, C, D and E, Haskel Co., $60,000, both 30 ft. J. M. Page, highway engr.

Oklahoma—State Hy. Dept., Oklahoma City, made surveys grading, etc., 19 mi. Goteba-Lone Wolf Rd., 30 ft. $50,000. J. M. Page, highway engr.

Oklahoma — State Hy. Dept., Oklahoma City, made surveys grading, etc. 11 mi. Grainola-Burbank Rd., 30 ft., Osage Co. $45,000. J. M. Page, highway engr.

Okla., Frederick—Plans paving 15 blocks various streets. Benham Eng. Co., 512 Gumble Bldg., Kansas City, Mo., engrs.

Okla., Guthrie—Defeated $85,000 bonds, paving 14 blocks Vilas, Logan, 11th and Washington Sts., 30 ft. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Jan. 7.

Okla., Wilson—Plans grading, curbing and concrete paving 14,720 sq.yd. various streets. $46,620. C. Coon, 1820 Bway., Oklahoma City, engr.

Washington—Feb. 16, by State Hy. Dept., Olympia, clearing, grading, etc., 3.1 mi. road from Jared north, Pend Orelle Co., State Rd. 6, and 1 mi. State Rd. 8, Skamania Co.; crushed rock resurfacing 7,100

SUBWAY—NEW YORK, N. Y.

Bids were opened by Board of Transportation, 49 Lafayette St., Dec. 8, for constructing Route No. 102, Sect. No. 3, along and under 8th Ave., from West 28th to West 37th Sts., (A) Rosoff Subway Construction Co., 331 Madison Ave.; (B) P. McGovern, Inc., 50 East 42nd St.; (C) Underpinning & Foundation Co., 342 Madison Ave.; (D) Coleman Bros., Inc., 80 Maiden Lane; (E) Heyman & Goodman, 236 West 116th St. The unit bids are as follows:

	A	B	C	D	E
200,000 cu.yd. earth excavation	$12.50	$14.00	$12.60	$12.50	$12.00
23,000 cu.yd. rock excavation	17.50	14.00	12.60	16.00	20.00
27,000 cu.yd. concrete masonry	23.00	27.20	27.00	23.00	24.00
155,000 sq.ft. rubbing of concrete	.12	.10	.15	.13	.10
3,800 cu.yd. protective concrete masonry	23.00	27.20	27.00	23.00	24.00
500 cu.yd. rubble stone masonry	15.00	14.00	20.00	13.00	15.00
10 cu.yd. dry rubble masonry	12.00	14.00	20.00	12.00	15.00
150 cu.yd. brick masonry	45.00	50.00	60.00	50.00	40.00
3,200 cu.yd. removal and disposal of old masonry	20.00	20.00	54.00	40.00	40.00
200 sq.yd. vitrified brick lining for sewers	7.00	7.00	7.00	6.00	6.00
100 cu.yd. hollow terra cotta brick or tile masonry	45.00	50.00	60.00	40.00	40.00
100 bbl. grout of Portland cement	6.00	8.00	5.00	7.00	6.00
20 sq.yd. resurfacing old concrete masonry	2.00	2.00	5.00	6.00	5.00
100 sq.yd. plastering on hollow tile at D. M.	2.00	2.00	2.00	2.00	2.00
20 cu.yd. broken stone or gravel	7.00	6.00	5.00	5.00	7.00
12,300 sq.yd. waterproofing—1 ply	1.25	1.25	1.00	1.00	1.00
24,000 sq.yd. waterproofing—3 ply	3.00	3.00	3.00	2.50	3.30
100 sq.yd. waterproofing—5 ply	4.50	4.50	5.00	4.50	5.00
100 sq.yd. waterproofing—6 ply	5.50	6.00	6.00	5.50	6.00
100 sq.yd. waterproofing—dry ply	1.00	1.00	1.00	.90	1.00
600 cu.yd. one layer brick in mastic	50.00	55.00	50.00	55.00	50.00
400 cu.yd. two layers brick in mastic	46.00	55.00	48.00	50.00	50.00
2,200 lin.ft. 3-in. cast iron pipe and fittings	2.00	1.25	1.00	1.50	1.50
350 lin.ft. 4-in. cast iron pipe and fittings	2.50	1.50	1.20	2.00	2.00
450 lin.ft. 6-in. cast iron pipe and fittings	3.00	2.50	1.80	2.50	3.50
2,200 lin.ft. 8-in. cast iron pipe and fittings	4.00	3.00	2.40	3.50	5.00
100 lin.ft. 3-in. standard galvanized steel pipe	2.00	1.25	1.00	1.50	1.50
250 lin.ft. 4-in. standard galvanized steel pipe	2.50	1.50	1.20	2.00	2.50
50 lin.ft. 6-in. standard galvanized steel pipe	3.50	3.00	1.80	3.50	4.00
120 lin.ft. 8-in. standard galvanized steel pipe	5.00	4.00	2.40	5.00	7.00
50 lin.ft. 10-in. standard galvanized steel pipe	7.00	6.00	3.00	6.00	10.00
156,000 duct ft. tunnel ducts	.25	.30	.40	.25	.30
360 conduit ft. 3-in. fibre conduits	.50	.30	.60	.50	.50
4,450 ton riveted steel, painted and erected—standard shapes	128.00	140.00	122.00	130.00	130.00
4,200 ton riveted steel, painted and erected—Bethlehem shapes	136.00	150.00	130.00	135.00	137.75
40 ton removal and disposal of old steel	50.00	30.00	100.00	100.00	100.00
3 ton arch. steel and iron—stairs, ladders, pipe railings, etc.	400.00	400.00	600.00	400.00	400.00
450 sq.ft. sliding doors with steel panels	6.00	6.00	7.00	5.00	6.00
4 exit covers	500.00	600.00	600.00	500.00	1,000.00
2,250 sq.in. cutting old steel	2.00	.80	.50	.50	1.00
28,800 hole drilling holes in old steel	.50	.25	1.00	1.00	1.00
2,200 removing rivets in old steel	.75	.20	.70	1.00	1.50
190 ton steel rods and bars built in concrete	120.00	100.00	110.00	120.00	120.00
9 ton miscellaneous iron castings	250.00	200.00	240.00	200.00	200.00
3,700 lb. special wire forms	.26	.25	.20	.20	.30
3,900 lin.ft. 1½-in. oak or ash handrail	.60	.60	.50	.70	1.20
6,300 sq.ft. steel gratings for ventilation	5.00	4.00	4.00	4.00	4.50
10,200 sq.yd. sidewalk restoration	3.00	2.00	3.60	3.00	3.00
9,400 sq.yd. street repavement—asphalt	5.00	4.50	4.00	5.00	5.00
5,000 sq.yd. street repavement—granite block	5.00	8.00	3.00	5.00	6.00
2,000 sq.yd. street repavement—Belgian block	4.50	7.00	3.00	5.00	6.00
100 lin.ft. 6-in. bluestone curb	4.00	2.50	3.00	3.00	3.00
2,300 sq.yd. street repavement—wood block	5.00	6.00	5.50	5.00	6.00
100 lin.ft. new 8-in. granite curb	6.00	4.00	6.00	4.00	8.00
350 sq.yd. upper 3-in. of concrete walls	2.50	3.00	6.00	2.50	4.00
18,800 sq.yd. temporary pavement of granite blocks	2.50	4.00	2.00	3.00	3.00
26,500 lin.ft. ¾-in. electric conduits in place	.40	.40	.20	.40	.50
50 lin.ft. 1¼-in. electric conduits	.60	.80	.40	1.00	1.00
10 lin.ft. 2-in. electric conduits	1.00	1.00	.60	1.30	2.00
11,000 lin.ft. 1-in. electric conduits	.50	.50	.30	.90	.80
10 lin.ft. 3½-in. electric conduits	2.00	2.00	1.50	3.00	5.00
1,650 cast iron outlet boxes	2.00	2.50	2.00	3.00	2.00
10 cast iron pull boxes—6x6x4 in.	8.00	6.00	6.00	6.00	4.00

See proposal advertisements on page 100, Advertising Section.

	A	B	C	D	E
1 cast iron pull box—6x12x3 in.	10.00	15.00	15.00	25.00	10.00
160 lin.ft. 6-in. cast iron pipe and fittings	3.00	3.00	1.80	3.50	3.00
210 lin.ft. 3-in. cast iron pipe and fittings	2.00	1.50	1.00	2.50	2.00
10 lin.ft. 4-in. cast iron pipe and fittings	2.50	2.50	1.20	3.00	2.50
300 lin.ft. 8-in. cast iron pipe and fittings	4.50	3.50	2.40	4.00	5.00
900 lin.ft. 12-in. vitrified sewer pipe	8.00	10.00	4.50	7.00	8.00
200 lin.ft. 15-in. vitrified sewer pipe	10.00	15.00	6.00	8.00	10.00
300 lin.ft. 24-in. vitrified sewer pipe	12.00	18.00	10.00	13.00	15.00
700 ton cast iron (straight pipe) sewer pipe	140.00	125.00	80.00	120.00	120.00
350 ton cast iron special casting sewer pipe	200.00	200.00	180.00	300.00	250.00
950 lin.ft. concrete sewers 3 ft. 6 in. x 2 ft. 4 in.	20.00	25.00	27.00	20.00	25.00
50 lin.ft. concrete sewers 4 ft. x 2 ft. 6 in.	24.00	30.00	30.00	25.00	30.00
230 lin.ft. concrete sewers 4 ft. 6 in. x 2 ft. 10 in.	28.00	35.00	30.00	35.00	35.00
450 lin.ft. concrete sewers 3 ft. 9 in. x 2 ft. 4 in.	24.00	30.00	25.00	25.00	30.00
230 lin.ft. concrete sewers 4 ft. 9 in. x 3 ft.	28.00	31.00	30.00	30.00	40.00
250 lin.ft. concrete sewers 6 ft. x 5 ft. 6 in.	40.00	45.00	60.00	50.00	60.00
250 lin.ft. concrete sewers 6 ft. 4 in. x 5 ft. 6 in.	50.00	50.00	60.00	50.00	65.00
50 lin.ft. concrete sewers 5 ft. 6 in. x 4 ft. 10 in.	30.00	40.00	55.00	40.00	55.00
250 lin.ft. 76 in. riveted steel pipe sewer in place	80.00	50.00	100.00	60.00	70.00
5,600 lin.ft. electric railroads (underground trolley)	20.00	10.00	10.00	15.00	10.00
Support Pennsylvania R.R. terminal and tunnel (lump sum)	15,000.00	50,000.00	...	50,000.00	20,000.00
500 lin.ft. 6-in. water pipe	3.00	2.00	2.00	2.50	3.00
1,700 lin.ft. 12-in. water pipe	5.00	3.00	3.60	4.00	5.00
200 lin.ft. 20-in. water pipe	7.00	7.50	6.00	7.00	8.00
50 service connection for water pipe	50.00	50.00	100.00	50.00	100.00
600 lin.ft. 4-in. cast iron gas pipe	1.50	2.00	1.20	2.00	3.00
2,500 lin.ft. 6-in. cast iron gas pipe	2.00	2.50	2.00	3.00	4.00
1,500 lin.ft. 8-in. cast iron gas pipe	2.50	3.00	2.40	4.00	5.00
600 lin.ft. 10-in. cast iron gas pipe	3.00	3.50	3.00	4.50	8.00
500 lin.ft. 12-in. cast iron gas pipe	3.50	4.00	3.60	5.00	10.00
700 lin.ft. 16-in. cast iron gas pipe	5.00	6.00	4.80	6.00	15.00
300 lin.ft. 20-in. cast iron gas pipe	7.00	8.00	6.00	7.00	20.00
350 lin.ft. 6-in. steel by-pass pipe	8.00	4.00	12.00	8.00	6.00
50 lin.ft. 8-in. steel by-pass pipe	10.00	5.00	16.00	10.00	10.00
100 lin.ft. 10-in. steel by-pass pipe	12.00	6.00	20.00	12.00	15.00
7,000 lin.ft. 12-in. steel by-pass pipe	14.00	7.00	24.00	14.00	18.00
50 lin.ft. 16-in. steel by-pass pipe	20.00	10.00	32.00	16.00	30.00
150 lin.ft. 20-in. steel by-pass pipe	30.00	12.00	40.00	20.00	40.00
50 lin.ft. 4-in. steel by-pass pipe	6.00	3.00	8.00	7.00	5.00
220 lin.ft. 12-in. steel by-pass pipe above street surface	12.00	10.00	20.00	15.00	15.00
220 lin.ft. 16-in. steel by-pass pipe above street surface	14.00	12.00	32.00	18.00	20.00
3,100 lin.ft. 20-in. steel by-pass pipe above street surface	16.00	14.00	40.00	22.00	25.00
2,275 lin.ft. trestle to support by-pass pipe	6.00	10.00	16.00	20.00	10.00
1,000 lin.ft. cable suspension to support by-pass pipe 16-in. diameter or over	12.00	10.00	16.00	15.00	10.00
100 lin.ft. cable suspension to support by-pass pipe under 16 in. diameter	10.00	10.00	16.00	15.00	10.00
50 service connection for gas pipe	50.00	60.00	100.00	40.00	100.00
250 ton new cast iron hub and spigot pipe straight	130.00	100.00	80.00	125.00	120.00
170 ton new cast iron hub and spigot pipe special casting	220.00	200.00	180.00	225.00	240.00
100 lin.ft. 8-in. high pressure water pipe	6.00	4.00	8.00	10.00	6.00
200 lin.ft. 12-in. high pressure water pipe	8.00	6.00	12.00	14.00	10.00
600 lin.ft. 20-in. high pressure water pipe	10.00	8.00	40.00	20.00	15.00
50 ton new cast iron spigot and grooved pipe-straight	150.00	125.00	180.00	125.00	200.00
20 ton new cast iron spigot and grooved special cast	240.00	250.00	300.00	225.00	300.00
275 ton new steel high pressure pipe—straight	220.00	310.00	250.00	325.00	400.00
125 ton new steel high pressure pipe—special cast	360.00	450.00	500.00	400.00	400.00
100 lin.ft. 6-in. air pipe	3.00	2.00	5.00	3.00	1.50
100 lin.ft. 4-in. air pipe	2.50	1.00	4.00	2.00	1.00
100 lin.ft. new 6-in. air pipe	3.50	3.00	4.00	3.00	3.00
100 lin.ft. new 4-in. air pipe	3.00	2.00	3.50	2.00	2.00
7,000 lin.ft. 8-in. mail tube	6.00	5.00	5.00	6.00	6.00
700 lin.ft. new 8-in. mail tube, straight pipe	18.00	10.00	6.00	8.00	8.00
300 lin.ft. new 8-in. mail tube, curved pipe	30.00	50.00	40.00	40.00	40.00
140,000 duct.ft. electric ducts and conduits	.50	.40	.35	.30	.30
70,000 lin.ft. 3½-in. steel pipe	.60	.40	1.00	1.00	1.50
25 service connections for electric conduits	50.00	100.00	100.00	80.00	100.00
25 service boxes on relocated duct lines	160.00	200.00	100.00	200.00	300.00
25 junction boxes on relocated duct lines	360.00	400.00	300.00	400.00	500.00
10 additional boxes on relocated duct lines	500.00	600.00	400.00	500.00	800.00
Extended totals including item 19-A	$5,886,506	$6,131,138	$6,202,625	$6,235,133	$6,295,545
Extended totals including item 19-B	5,888,106	6,138,138	6,205,725	6,223,633	6,295,595

*Totals include underpinning of buildings but units do not.

Streets and Roads (Continued)

cu.yd. Wallula-Touchet Rd., State Rd. 3, Walla Walla Co.; and crushed gravel surfacing 6,500 cu.yd. State Rd. 2, Wenatchee-Orondo Rd., Douglas Co. J. W. Hoover, highway engr.

Calif., Colusa—Colusa Co. making plans paving 6½ mi. East Side Rd., and 3½ mi. Prize-College Rd. J. M. Felknor, co. engr.

Calif., Colusa — Colusa Co. made plans paving 2⅝ mi. Grimes-Knights Landing Rd. J. M. Felknor, co. engr.

Calif., Monrovia — Plans sidewalks on various streets. $50,000 or more.

Calif., Petaluma — Making preliminary plans paving, etc., portions of East D and Wilson Sts. $25,000 or more.

Calif., Oakland — Made plans curbing, guttering, paving, and widening, etc., 22nd St. between western waterfront and Lake Merritt. $2,000,000. W. W. Harmon, city engr.

Calif., Oakland — Supervs. Alameda Co. rejected bids Jan. 11, roadways, walks, steps, walls, etc., at Highland Hospital. Noted Jan .21.

Calif., San Diego—Plans improving Upas, Redwood, Palm and other Sts., 12,184 cu.yd. excav., 49,450 sq.ft. concrete sidewalk, 10,312 lin.ft. concrete curbing, 450,842 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete paving, 18,260 cu.yd. embankment, etc. F. A. Rhodes, city engr.

Calif., San Diego—Common Council plans improving Louisiana St., 3,732 sq.ft. concrete sidewalk, 77 lin.ft. concrete curbing 114,912 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete paving, etc. F. A. Rhodes, city engr.

Calif., San Diego—Common Council rejected bids Jan. 11, improving Muir Ave., 33,264 sq.ft. concrete sidewalk, 6,200 lin.ft. 8 in. concrete curbing, 50 lin.ft. 6 in. concrete curbing, 125,593 sq.ft. 1½ in. asphaltic concrete on 3 in. bituminous paving, etc. Noted Jan. 21.

Calif., Ventura—Making plans probably concrete paving, etc., various streets. $500,000 or more. C. W. Pierce, city engr.

Ont., Chesley—City Council plans concrete paving various streets. $40,000. A. Krug, chn. com.

Ont., Hamilton—Making plans concrete paving Beach Rd. $69,000. W. L. McFaul, City Hall, engr.

Ont., Kitchener—City Council plans concrete paving various streets. $50,000. S. Shupe, city engr.

Ont., St. Catherines — Plans concrete paving St. Paul St., etc. $40,000.

Ont., Toronto—Plans bitulithic concrete paving Langley Ave., $19,867; grading lane between Lansdowne and McDonnell Aves., $8,100; and opening and grading lane between Manning Ave. and Clinton St., $1,200. R. C. Harris, City Hall, engr.

Ont., Toronto — Soon takes bids asphalt on 6 in. concrete paving Du Vernet Ave. from Glenmore Rd. to Woodbine Ave., $5,146; St. Paul St. from King to Queen Sts., $7,986; and Vanauley St. from Queen St. to Grange Ave., $59,535. R. C. Harris, City Hall, engr.

Ont., Walkerville — City Council plans concrete paving various streets and enlarging incinerator. $50,000. A. Calderwood, chn. com.

Que., Three Rivers — Plans concrete or macadam paving 1 mi. St. Cecile St. between St. Geneveve and St. Maurice Sts., 50 ft. $45,000. C. Gelinas, Three Rivers, engr.

BIDS DESIRED

New Jersey — Feb. 15, by State Hy. Comn., Trenton, grading and 3 sixty ft. span bridge and one small bridge, on Route 9, Sect. 18, Clinton Cutoff, Hunterdon Co. A. L. Grover, secy.; adv. E. N.-R. Jan. 28.

Pa., Kittanning — Feb. 26, by Supervs. Wayne Twp., Armstrong Co., rein.-con .paving 4,301 ft. County Aid Application 3033, 16 ft. C. M. Dickason, secy. Wayne Twp.; adv. E. N.-R. Jan. 28.

Pa., Phila.—Feb. 4, by Dept. Pub. Wks., Bureau of Engineering, Schedule A, asphalt paving 40,283 sq.yd. 11 streets; Schedule B, asphalt repaving 10,024 sq.yd. 52nd St.; Schedule C, redressed granite block paving 43,065 sq.yd. Erie, Girard, 4th, 12th, 19th, and 29th Sts.; Schedule D, grading 60,149 cu.yd. Holme Ave., etc. G. H. Biles, dir.

W. Va., Clarksburg — Feb. 9, by Court Harrison Co., concrete or bituminous macadam reconstructing 11 mi. Clarksburg-Buckhannon-Harrison Co. line Rd. $300,000. G. L. Coyle, Court House, co. engr. Noted Sept. 3.

North Carolina — Feb. 8, by State Hy. Dept., Raleigh, hardsurfacing roads in Beaufort, Wilson, Robeson, Person, Wake, Randolph and Swain Counties; topsoiling, sand clay, gravel or grading roads in Johnston, Bladen, Wake, Gaston, Mecklenburg, Richmond, Ashe, Watauga and Henderson Counties; adv. E. N.-R. Jan. 28.

Florida—Feb. 10, by Bd. Bond Trustees of Ocean Shore Impvt. Dist., at office Secretary, Daytona Beach, approximately 40 mi. paving roads, 20 ft. wide, and 300,000 cu.yd. earth embankment, etc., in Flagler and Volusia Counties. C. M. Rogers, Daytona Beach, engr.

See proposal advertisements on page 100, Advertising Section.

Streets and Roads (Continued)

Fla., St. Petersburg — Feb. 1, by S. S. Martin, dir. Finance, asphalt block or brick paving 9th St. from 34th to 94th Aves., 50 ft., $36,000; asphalt block or brick widening 4th St. N. from 9th St. to Robinson Court and from 11th Ave. east of 4th St. to 12th Ave. west of 4th St., 60 ft. $40,000, also 4th St. N., $25,000.

Miss., Gulfport—Feb. 2, by Bd. Supervs. Harrison Co. 25,000 cu.yd. gravel for surfacing Saucier-Ramsay Spring Rd. E. McManus, clk.

Miss., Magnolia—Feb. 11, by Bd. Supervs. Magnolia Co., clearing, grubbing, grading, curbing and brick paving 5,358 sq.yd. Federal Aid Project 95. H. C. Dietzer, Jackson, engr.

Louisiana—Feb. 23, by State Hy. Comn., Baton Rouge, constructing 7.65 mi. Jonesboro-Monroe Highway, State Project 414-C, Jackson Parish. W. B. Robert, Reymond Bldg., Baton Rouge, highway engr.

O., Akron—Feb. 8, by **W. F. Peters, dir.** Pub. Serv., grading, curbing, 4 in. concrete sidewalks and vitr. brick paving 1,255 sq. yd. Portage Dr., $9,500, 1,655 sq.yd. Dorchester Rd. $14,600, 5,925 sq.yd. Berwin and other streets $47,600, 3,500 sq.yd. Ruby Ave. $30,350, 2,940 sq.yd. Alfaretta Ave. $23,-700, and 2,680 sq.yd. Oakland Ave. $17,000; grading, 4 in. concrete sidewalks, and cindering 525 cu.yd. Ranney St. $7,600, 800 cu.yd. Tulip St. $7,000, 1,200 cu.yd. Whitney Ave. $13,600, and 375 cu.yd. Whittier Ave. $4,200. E. A. Kemmler, Delaware Bldg., engr. Noted Sept. 12, 19 and 26.

Ind., Rushville — Feb. 16, by Common Council, paving approximately 3,500 sq.yd. North Willow St. Stewart & Stewart, Rushville, engrs.

Ill., Chicago — Feb. 5, by Bd. Local Impvts., City Hall, substructure and superstructure Sect. 9, South Water St. Impvt. from east line State St. to west line Wabash Ave. T. A. Evans, Room 207, City Hall, engr. Noted Oct. 1.

Wis., Chilton—Mar. 2, by A. J. Pfeffer, city clk., grading, curbing, guttering, sewers and rein.-con., vibrolithic, concrete, asphalt or asphaltic concrete paving 11,500 sq.yd. paving 5 streets. J. Donohue Eng. Co., 608 North 8th St., Chicago, Ill., engrs.

Ia., Battle Creek—Feb. 9, by City, A. E. Boysen, clk., improving various streets, approximately 50,000 cu.yd. excav., 36,000 lin. ft. curbing and guttering and 60,000 sq.yd. paving. $172,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Kan., McPherson—Feb. 23, by Clerk McPherson Co., grading, etc., 7.817 mi. Federal Aid Project 278-A, 28 ft. G. D. Johnson, McPherson, co. engr. Noted Dec. 24.

Neb., Tecumseh—Feb. 2, by City, brick and rein.-con. paving, etc., 7,288 sq.yd. streets in Dist. 3. $55,381.

Missouri — Feb. 5, by State Hy. Dept., Jefferson City, grading 18.448 mi. roads in Andrews, Pettis and Daviess Counties; 30 ft. grading 58.32 mi. roads in Lafayette, Linn, Newton, Salines, Stoddard, Vernon and Wayne Counties; 18 ft. gravel surfacing 71.049 mi. roads in Audrain, Bates, Bollinger, Caldwell, Cole, Greene, Howard, Howell, St. Clair, Stone and Wayne Counties; 9 ft. concrete paving 20.581 mi. roads in Daviess Co.; 18 ft. concrete paving 6.387 mi. roads in Andrew and Pettis Counties; 22 ft. amiesite and rock asphalt paving 0.625 mi. roads in Howard Co. B. H. Piepmeier, ch. engr. Noted Jan. 21.

Mo., Hamilton—Feb. 8, by C. F. Ridings, city clk., improving general streets 11,500 sq.yd. 7 in. concrete paving, 3,300 ft. curbing, 1,400 cu.yd. excav., etc. J. E. Rider, Richmond, engr.

Ark., Siloam Springs—Feb. 11, by E. McCulloch, chn. Dist. 4, grading, curbing, guttering and sheet asphalt paving 27,633 sq. yd. Dist. 4. $111,610. W. L. Winters, Merchants Natl. Bank Bldg., Ft. Smith, engr. Noted Jan. 7.

Tex., Baird — V. B. Gilbert, judge Callahan Co., taking bids improving 3.21 mi. highway from Eastland Co. line to Shackelford Co. line. $66,000. G. E. Franklin, Baird, engr. Noted Dec. 10.

Tex., Falfurrias—Brooks Co., taking bids grading, bridging and concrete paving 6 mi. Highway 12, Federal Aid Project 429-I. $83,000. R. Harrison, Falfurrias, engr.

Tex., Galveston—Feb. 8, by C. C. Washington, engr. Galveston Co., sea wall paving at intersection of old and new boulevard near Bway. and 6th Sts., 3,747 yd. vitr. brick, 910 yd. sand fill, 1,160 yd. removing old brick paving, etc., for Galveston Co. $30,000. J. M. Murch, aud. Galveston Co.

Oklahoma—Feb. 2, by State Hy. Dept., Oklahoma City, (**S. A. P. means State Aid Project**), improving 11.39 mi. S. A. P. 254, Craig Co., 61,720 cu.yd. earth and 3,240 cu. yd. rock excav., etc., $42,000, 16.561 mi. S. A. P. 267, Delaware Co., 74,460 cu.yd. earth and 11,890 cu.yd. rock excav., etc., $65,000, 6.479 mi. S. A. P. 268-A, Grant Co., 32,870 cu.yd. earth and 1,740 cu.yd. rock excav., etc., $35,000, 5.584 mi. S. A. P 266-B, Le Flore Co, 31,245 cu.yd. earth and 3,892 cu. yd. rock excav., etc., $25,000, 6 mi. S. A. P. 266-A, Le Flore Co., 29,360 cu.yd. earth and 4,480 cu.yd. rock excav., etc., $25,000, 5.662 mi. S. A. P. 257-A, Rogers Co., 44,-720 cu.yd. earth and 1,860 cu.yd. rock excav., etc., $25,000; concrete paving 8,660 sq.yd. S. A. P. 209-B, Cleveland Co., $25,-000; gravel surfacing 71,480 sq.yd. S. A. P. 181-C, McClain Co., $30,000. J. M. Page, highway engr.

Oklahoma—Feb. 2, by State Hy. Dept., Oklahoma City, grading, etc. 3.679 mi. State Aid Project 264, 30 ft., Kingfisher Co., $25,000; also grading and concrete surfacing 7,880 sq.yd. Stillwater Rd., State Aid Project 248-A, 18 ft., Payne Co., $25,-000. J. M. Page, highway engr.

Okla., Frederick — Feb. 4, by E. U. Gamblin, mayor, grading and sheet asphalt paving 13,200 sq.yd. 11th, 13th, Jesamine and Dahlia Sts., 30 ft. $36,600. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Calif., Los Angeles — Feb. 1, by Bd. Supervs. Los Angeles Co., curbing, guttering, walks, concrete paving, etc. 195,172 sq.ft. Bellview Ave., $72,598; also grading and 86,361 sq.ft. 6- to 8-in. and 196,123 sq.ft. 7- to 9-in. concrete paving, etc. Santa Fe Ave., etc. $188,624. G. Jones, Hall of Records, engr. Noted Jan. 14.

Calif., San Diego — Feb. 8, by Common Council, improving Kettner Blvd., Hancock St., etc., 5,987 cu.yd. excav., 16,122 lin.ft. concrete curbing, 13,587 sq.ft. concrete sidewalks, 38,794 sq.ft. 5 in. concrete and 364,-011 sq.ft. 2 in. asphaltic concrete on 3½ in. bituminous paving, etc.; also 26th St. from Russ Blvd. to N St., 802 lin.ft. concrete curbing, 2,593 sq.ft. concrete sidewalk, 203,810 sq.ft. 5 in. concrete paving, etc. F. A. Rhodes, city engr. Noted Jan. 7.

Calif., Santa Rosa—Feb. 10, by W. W. Felt, Jr., clk. Sonoma Co., improving Windsor Dist., 1,540 cu.yd. "A" concrete paving, 50 cu.yd. "A" concrete culverts and retaining walls, 1,800 cu.yd. excav. E. A. Peugh, Santa Rosa, co. surv.

Ontario — Feb. 22, by S. L. Squire, minister Dept. Pub. Hys., Parliament Bldgs., Toronto, 20 ft. concrete paving 34.26 mi. Contrs. 1273-1278 inclusive, $1,000,000; 20 ft. penetration macadam paving 4 mi. Contr. 1279, $60,000; 20 ft. waterbound macadam paving 23.1 mi. Contr. 1280-1284 inclusive, $300,000; grading 12.6 mi. Contrs. 1285 and 1286, $30,000; also culverts, etc. Contrs. 1287, 1288 and 1272, $45,000. R. M. Smith, 110 University Ave., Toronto, ch. engr.

BIDS RECEIVED

South Carolina — State Hy. Dept., Columbia, constructing 7.6 mi. State Route 45, State Project S-589-B, Orangeburg Co., from Newell Contg. Co., Greenville, $26,-594; improving 1.99 mi. State Route 40, Federal Aid Project 241-B, Horry Co., and one treated timber bridge 5-15 ft. span on same from E. K. Turner, Florence, $20,504 and $4,579 respectively; 10.9 mi. State Route 24, State Project S-589-B, from R. D. Clowe, Aiken, $45,380, also one treated timber bridge 24-15 ft. and 7-19 ft. spans over North Edisto River, from Peterson & Earnhardt, Montgomery, Ala., $14,189.

Calif., Los Angeles—Bd. Pub. Wks., from B. R. Ford, improving Reseda Ave., 2,739 lin.ft. curbing $0.50 per lin.ft., 9,068 sq.ft. sidewalk $0.14, 615 sq.yd. 2 in. asphalt paving $0.60, 5,970 sq.ft. oiled roadway $0.08, etc., total $43,261; from J. Martin, 589 Lyon St., improving Burnett Ave. between Lorren and Roscoe Sts., 550 cu.yd. concrete paving $775, 243,439 sq.ft. 6 in. concrete base $0.175 per sq.ft., etc., total $47,865; from Chalmers & Ford, H. W. Hellman Bldg., Ave. 33 (Ave. 33 and Corlyle St. Impvt. Dist.), 28,850 lin.ft. curbing $0.40, 6,430 lin.ft. curbing $0.45, 7,066 sq.ft. guttering $0.35, 149,332 sq.ft. sidewalk, $0.135, 109,437 sq.ft. sheet asphalt paving $0.15, 262,115 sq.ft. 5 in. concrete base $0.185 and 158,954 sq.ft. 6 in. concrete base $0.195, etc., total $235,143. Noted Dec. 10.

Calif., Los Angeles—Supervs. Los Angeles Co., Jan. 11, curbing, grading, guttering and concrete paving, etc., 159,845 sq.ft. portion of Grevilla St., Impvt. 338, from T. T. Crawford, 1st Natl. Bank Bldg., Pomona, $57,735; also grading, curbing, guttering, concrete paving, etc., 241,046 sq.ft. portion of Main St., Impvt. 375, from United Concrete Pipe & Constr. Co., Box 5, Ventura, $74,686. Noted Dec. 31.

CONTRACTS AWARDED

Pa., Pittsburgh—Rein.-con. paving 20,400 ft. Evergreen-Three Degree Rd., Allegheny Co., to Booth & Flinn Ltd., Forbes St., $375,880.

Miss., Vicksburg—Warren Co., road work for bridge over Yazoo River at Snyders Bluff, to Horton Constr. Co., Texarkana, Tex., $32,112. Noted Oct. 8 under "Bridges."

Kentucky — State Hy. Dept., Frankfort, grading, etc. 13.8 mi. Mayfield-Paducah Rd., Federal Aid Project 144-A, Graves Co., to Eli & Marye, Dawson Springs, $90,388. Noted Sept. 17.

O., Canton — Improving Clarendon Ave. S. W. between Tuscarawas St. S. W. and Navarre Rd., to Canton Sand & Gravel Co., Clarendon Ave. S. W., $56,742. Engrs. est. $60,000.

Ind., Kendallville — City Council, two course concrete paving 12,948 ft. 21 streets, 30 ft., to Grace Constr. Co., 220-21 Utility St., Ft. Wayne, $109,090. Engrs. est. $131,-000. Noted Dec. 17.

Ind., LaPorte—P. Summy, engr., LaPorte, grading and graveling 3 mi. Slater Rd., 26 ft., to F. Schirr, Westville for LaPorte Co., $25,874. Engrs. est. $31,000. Noted Dec. 17.

Ill., La Grange — Grading, curbing and concrete paving various streets, to Sternberg-Powell Co., 53 West Jackson Blvd., Chicago. Engrs. est. $200,000. Noted Aug. 6.

Ill., North Chicago — Concrete paving 14,000 sq.yd. Kristian Ave. and 16th St., to Western Impvt. Co., 840 9th St., Racine, Wis., $56,740.

Kan., Howard—Elk Co., clearing, grubbing, bridging, grading, etc., 8.692 mi. Federal Aid Project 297-A, 26 ft., to S. W. Poor, Topeka, and Kennedy & Lewis, El Dorado, $34,770.

Kan., St. John—Stafford Co., sand clay surfacing 5.447 mi. Federal Aid Project 302-A and B, to Stamey-McKey Constr. Co., Hutchinson, $37,237.

Kan., Wellington — Sumner Co., sand clay surfacing 11.957 mi. Federal Aid Project 323-A and B, to Schultz Constr. Co., Parsons, $76,791.

Mo., Cape Girardeau—City Clerk, grading, curbing, gravel and concrete paving Mill St. between Main and Fountain Sts., also Capaha Dr., to W. P. George Constr. Co., Pine Bluff, Ark., $23,567. Former contract rescinded. Noted July 2.

Mo., Clinton — Amiesite resurfacing 23,-048 sq.yd. and concrete paving, etc. 431 sq.yd. West Jefferson, South Washington, South Main, East Franklin, West Franklin and North Main Sts., to Reed & Wheelock, Clay Center, Kan., $32,378. Noted Jan. 7.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, Kentucky rock asphalt paving, etc., 1,605 yd. Wellington Court, to Skrainka Constr. Co., Security Bldg., $8,800; asphaltic concrete paving, etc., 855 yd. Leamington St., and 2,270 yd. Humphrey St., to Webb-Boone Paving Co., 5103 Fyler Ave., $4,911 and $6,724 respectively, 2,105 yd. Humphrey St., and asphalt paving, etc., 16,230 yd. Nebraska St., to C. A. Moreno, Syndicate Trust Bldg., $8,146 and $55,254 respectively; Warrenite paving, etc., 13,110 yd. South Utah Pl. and 2,205 sq.yd. Humphrey St., to Granite Bituminous Paving Co., Ry. Exch. Bldg., $56,000 and $31,-050 respectively. Grand total $179,017. Noted Jan. 21.

Mo., University (St. Louis P. O.) — See "Sewers."

Tex., Anderson — R. W. Berry, judge Grimes Co., improving 4.79 mi. K. T. Whitehall Rd., 1,000 cu.yd. clearing and grubbing, 10,199 cu.yd. hauling and placing gravel, and 247,347 cu.yd. hauled additional ¼ mi., to M. M. Craven & Sons, Missouri City, $19,722. Engrs. est. $26,500.

Tex., Dublin — Elrod Eng. Co., engrs., 3206 Elm St., Dallas, 3 in. brick on gravel surfacing various streets, here, to Jullan Field & Co., State Natl. Bank Bldg., Denison, for City. $70,503. Noted Jan. 21.

Idaho—Commissioners Pub. Wks., at Hotel Idaho, Coeur d'Alene, concrete paving, etc., 3.079 mi. Coeur d'Alene-Yellowstone Trail, Federal Aid Projects 47 and 93-A, Kootenai Co., to J. H. Collins & Co., Spokane, Wash., $78,667. Noted Nov. 19.

California—See "Bridges."

Calif., Los Angeles—Bd. Pub. Wks., concrete paving, curbing, walks, guttering, etc. Edenhurst Ave. between Parkdale and Verdant Sts., to P. J. Akmadzich, 821 Yale St., $62,405; also grading, etc., Anaheim St. and Sampson Ave. Impvt. Dist., to Western Dredging Co., 58 2nd St., San Francisco, $285,750. Noted Jan. 21.

Calif., San Rafael — Marin Co., concrete curbing, guttering and 1½ in. Willite asphaltic concrete on asphaltic concrete paving, etc. 84,704 sq.ft. Alder Way, etc., to Pacific States Constr. Co., Call Bldg., San Francisco, $38,608. Noted Jan. 21.

See proposal advertisements on page 100, Advertising Section.

Buildings—Industrial

PROPOSED WORK

N. Y., Buffalo—CORE ROOM and FOUNDRY—Amer. Radiator Co., 1807 Elmwood Ave., plans rein.-con., brick and steel additions. $1,500,000. Private plans.

N. Y., Buffalo—SASH FACTORY—F. P. Wittmeyer, 304 South Park Ave., plans sash and frame factory, Reading St. $40,000.

N. Y., New York—RADIO PLANT—F. A. D. Andrea, Inc., 1581 Jerome Ave., having plans prepared by Ballinger Co., engrs. and archts., 100 East 42nd St., rein.-con., brick and steel, plain foundation, Mott Ave. and 138th St. $750,000.

N. Y., New York — PRINTING and PUBLISHING — New York American & Evening Journal, 238 William St., soon take bids 4 story, rein.-con., brick and steel, plain foundation, Water St. C. E. Birge, 29 West 34th St., engr. and archt. Noted Dec. 10 under "Buildings—Commercial."

Pa., Bristol — FACTORY — Pacific Steel Boiler Corp., Waukegan, Ill., purchased 15 acre tract and plans 1 story factory, here. $300,000. Engineer and architect not selected.

Ga., Atlanta—RUBBER PLANT—J. M. Tull Rubber Co., 150 Marietta Bldg., plans rubber manufacturing plant. $250,000.

Ala., Huntsville — COTTON WAREHOUSE—Dixie Warehouse & Storage Co., plans 1 story, 150 x 489 ft. cotton warehouse, 10,000 bale capacity.

Miss., Meridian—CREAMERY—Armour & Co., 208 South La Salle St., Chicago, Ill., H. S. Johnson, mgr. Produce Dept., plans creamery, 2,000,000 lb. capacity per year, here. $100,000.

La., New Orleans—MACHINE SHOPS and WAREHOUSE—Equitable Equipment Co., Whitney Bldg., purchased plant of United Chemical & Organic Products Co., intersection Florida Walk and Louisville & Nashville R.R. tracks, and plans converting same into machine shops and warehouses. $100,000.

Tenn., Cookeville—FACTORY—Menzies Shoe Co., Superior St., Fond du Lac, Wis., plans shoe factory, here. To exceed $40,000.

Tenn., Nashville—PLANT—Victor Chemical Co., 4th & 1st Bldg., R. P. Gates, supt., plans rebuilding plant, recently destroyed by fire. Loss $300,000-$400,000.

Ind., Evansville — WAREHOUSE — Standard Oil Co., W. J. Lang, mgr., 2320 Division St., having plans prepared 3 story and basement, brick, steel and rein.-con. warehouse, 1 story garage, and 1 story machine shop, Division St. and Bray Ave. $200,000. Private plans.

Ill., Chicago — PRINTING PLANT — Prairie Farmer Pub. Co., 337 West Madison St., having sketches made by Mundie & Jensen, 39 South La Salle St., and takes bids about Mar. 22, 3 story and basement, 50 x 142 ft., rein.-con. and brick, West Washington Blvd. and Willard Court. $200,000.

Wis., Clintonville—CANNERY—Shawano Canning Co., Shawano, K. Weeman, pres., plans 2 story, brick and timber cannery, plain foundation, here. $60,000. Engineer and architect not selected.

Wis., Rhinelander — SHOP — E. Abels, having plans prepared by Smith & Brandt, Manitowoc, 1 story, 60 x 80 ft., rein.-con. and brick, plain foundation. $50,000.

Wis., Weyauwega—HEATING PLANT—Waupaca Co., L. Shoemaker, clk., Waupaca, having plans prepared brick and concrete heating plant with brick or concrete stack at insane asylum, here. $45,000. R. Cramer, 448 27th St., Milwaukee, engr.

Minn., St. Paul — FACTORY and MACHINE SHOP—Auto Engine Wks., Griggs St. and University Ave., having plans prepared by J. W. Stevens, 907 Exch. Bank Bldg., 1 and 2 story, 140 x 205 ft., brick and steel, St. Anthony and Hamline Aves. $65,000.

Mo., Joplin—BAKERY—Quality Bakery, 926 Main St., having plans prepared by C. E. Hanenberg, Joplin, remodeling and enlarging bakery. $75,000.

Mo., Kansas City—FOUNDRY and MACHINERY PLANT—J. Goldberg & Sons, 800 East 18th St., plan rein.-con. and steel plant addition. $200,000.

Ark., Norphlet—PLANT—Natural Gas & Fuel Corp., J. Zeppa, secy., having preliminary plans prepared gasoline absorption plant. $300,000 or more. Private plans.

Texas — SUB-STATION, etc. — Texas Central Power Co., Frost Bank Bldg., San Antonio, making plans electric sub-station on Lakeside Dr. near Eagle Lake, also main line from plant to Eagle Lake, 7 mi. line to Lissie, 6 mi. line to Lakeside Irrigation Co., 5 mi. line from company's plant on Colorado River, and 20 mi. line to Columbus. Private plans.

Tex., Center Point—TEXTILE MILL—Texas Wool & Mohair Textile Mills, c/o S. E. Bomar, promotion mgr., plans new mill. $45,000. Engineer and architect not selected.

Tex., Cleburne — SHOP — F. Merrit, ch. engr. and W. J. Smith, archt., both Union Depot Bldg., Galveston, soon takes bids 123 x 155 x 517 ft. boiler house and blacksmith shop, also 1 story, 45 x 288 ft. flue shop, steel and metal sash, here, for Gulf, Colorado & Santa Fe. Ry., Union Depot Bldg., Galveston. $300,000.

Tex., Ft. Worth—PRINTING PLANT—J. B. Davies, archt., 1308 Hemphill St., soon takes bids 1 story (ultimately 4 story) 100 x 109 ft., rein.-con., brick and stone, 5th and Jones Sts., for Ft. Worth Press, c/o A. Hamilton, mgr. $50,000.

Tex., Houston—CRUSHING and PULVERIZING PLANT—Micolithic Co., c/o A. F. Fisher, 203 Cotton Exch. Bldg., plans 1 story, brick and tile plant. $50,000. Engineer and architect not selected.

Tex., Rockdale — GAS PLANT — Kent-Middleton Co., Rockdale, and Hirt-McDermott Co., Wichita Falls, having preliminary plans prepared casinghead gas plant, near here. $150,000.

Calif., Long Beach — ICE and COLD STORAGE PLANT—H. B. King and associates, Security Bldg., had preliminary plans prepared by Fisher, Lake & Travers, 801 Edwards and Wildy Bldg., Los Angeles, 4 story, 100 x 200 ft. ice and cold storage plant, and 50 x 85 ft. ice manufacturing plant, rein.-con., east of municipal docks. To exceed $150,000.

Calif., Los Angeles — PUBLISHING PLANT — Technical Publishing Co., 411 South Main St., plans 3 story, 195 x 250 ft., probably rein.-con., in central manufacturing section. $750,000 or more. Engineer and architect not selected.

Que., Drummondville — PLANT — Canadian Cellulose & Chemical Co., subsidiary of Amer. Cellulose & Chemical Mfg. Co., 15 East 26th St., New York City, plans plant, here. $7,000,000.

Que., Jonquieres—MILL—Price Bros. Co. Ltd., having plans prepared by A. Duehastel de Montague, Quebec, mill for paper and cardboard machines, here. $150,000.

Ontario—HYDRO ELECTRIC PLANT—Hydro Electric Power Comn., 190 University Ave., Toronto, plans 50,000 hp. hydro electric plant on Nipigon River, at Alexander Falls, incl. concrete dams, concrete and steel power plant, etc. $7,000,000. F. A. Gaby, 190 University Ave., Toronto, engr.

Ont., London—RUG FACTORY—Canada Rug Co., 98 Carling St., W. C. Baldwin, proprietor, plans rebuilding plant recently destroyed by fire. $100,000 loss.

Ont., Windsor — SALT REFINERY — Canadian Salt Co., G. M. Dick, genl. mgr. plans refinery addition. $500,000.

B. C., Vancouver — SUB-STATION — British Columbia Ry. Ltd., having plans prepared by H. H. Gillingham, c/o owner, 2 story, rein.-con. and steel, caisson foundation, 5th and 1st Sts., here. $80,000.

BIDS DESIRED

O., Cleveland — LAUNDRY — Cleveland Sanitary Wet Wash Co., 6204 Central Ave., H. H. Wood, pres., taking bids 1 and 2 story, 100 x 120 ft., brick and steel addition, Beckman Ave. $50,000. H. M. Morse Co., 720 Prospect Ave., archts.

O., Cleveland—PAINT SHOP—Franklin Bros., Guarantee Title Bldg., taking bids 1 story, 90 x 140 ft., brick and steel, East 65th St. and Euclid Ave. $40,000. W. A. Becker, Union Bldg., archt.

Ill., Kankakee—ROUND HOUSE, etc. —Cleveland, Cincinnati, Chicago & St. Louis R.R. Co., Union Central Bldg., Cincinnati, O., H. Baldwin, ch. engr., taking bids extension to engineering facilities, incl. brick roundhouse and service building. $208,900.

Wis., Sheboygan — FACTORY — E. A. Stubenrauch, archt., 629 North 8th St., taking bids 3 story, 32 x 80 ft., and 40 x 80 ft., brick and timber additions, plain foundation, for Dillingham Mfg. Co., Wisconsin Ave. and South Water St. Noted Jan. 7.

Ia., Oskaloosa — BRICK PLANT — See "Contracts Awarded."

CONTRACTS AWARDED

Mass., Boston — FACTORY — Bay State Furniture Co., altering and constructing 1 and 2 story brick addition, to W. and L. Eng. Co., Bway. Cambridge. Archts. est. to exceed $40,000. Noted Dec. 10.

Mass., Charlestown (Boston P. O.) — FOUNDRY — J. D'Este, 26 Canal St., Boston, 1 story, 50 x 95 ft., brick and steel, Spice St., here, to Whidden-Beekman Co., 100 Boylston St., Boston. Engrs. est. $40,000.

Conn., New Britain—FACTORY—Russell & Irwin Mfg. Co., Washington St., 2 story, 43,000 sq.ft. floor space, steel and concrete, Myrtle and Lafayette Sts., to Aberthaw Constr. Co., 27 School St., Boston. Archts. est. $125,000.

Fla., Coral Gables—MACHINE SHOP—E. K. Lowe, 2 story, concrete block, to Lowe & Co., Coral Gables, $40,000.

O., Cleveland — IRON and BRONZE FACTORY — W. S. Tyler Co., C. Zimmerman, secy. and treas., 3615 Superior Ave., 6 story and basement, 82 x 118 ft., rein.-con. and brick, East 34th St. and Superior Ave., to V. Blarcom Co., Natl. City Bldg. Archts. est. $300,000. Noted Jan. 21.

O., Zanesville—FACTORY—Mosaic Tile Co., two 1 story, 120 x 180 ft. and 150 x 180 ft., concrete, brick and steel, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland. Archts. est. $150,000.

Ind., South Bend—SPRING FACTORY—Studebaker Corp., 1 story, 124 x 382 ft., brick, concrete, steel and gunite factory with craneway, to R. Sollitt & Sons, 5 North La Salle St., Chicago, Ill. Archts. est. approximately $125,000. Noted Oct. 22.

Ill., Melrose Park — FACTORY — See "Buildings—Commercial."

Ia., Oskaloosa—BRICK PLANT—Standard Clay Products Co., T. J. Neiswanger, pres., will build continuous kiln, rein.-con., brick and steel addition, by day labor. $50,000. Private plans. Noted Jan. 21.

Ia., Sioux City—CREAMERY and COLD STORAGE—Swift & Co., Stock Yards, general contract 4 story, 75 x 150 ft., brick and concrete, Chambers and Dave Sts., to W. A. Klinger, Warnock Bldg., approximately $100,000.

Kan., Topeka — POWER HOUSE — See "Buildings—Commercial."

Ark., Lexa—ICE PLANT, etc.—Lexa Ice Co., 1 story, 60 x 175 ft. ice and cold storage plant, concrete, brick and steel, to W. F. Moody & Co., 613 A.O.U.W. Bldg., Little Rock. Archts. est. $125,000.

Tex., Beaumont — FACTORY — Tyrell Combest Realty Co., fig preserving plant, 400 bu. daily capacity, to C. A. Raush, Alvin, about $40,000.

Tex., Houston—ICE CREAM FACTORY —Houston Ice Cream Factory, c/o C. H. Rouse, 1703 Washington Ave., remodeling and constructing 2 story, addition, 1703 Washington Ave., to J. Antill, 210½ Main St., about $50,000.

BRIDGE—OREGON

Bids were opened by city for constructing Vista Ave. Bridge, (A) Parker & Banfield, 62 East 3rd St., N. (awarded contract); (B) Kuckenberg-Wittman Co., 437 East 25th St., N.; (C) H. E. Doering, 703 Johnson St. The unit bids are as follows:

	A	B	C
2,200 cu.yd. earth excavation	$166.30	$0.85	$1.50
500 cu.yd. solid rock excavation	5.00	3.30	3.00
50 cu.yd. excavation, old concrete walk	3.00	4.40	5.00
60 cu.yd. trench excavation	1.25	2.75	2.00
600 cu.yd. rolled embankment	.75	1.65	1.50
100 cu.yd. concrete, Class A	8.40	11.00	14.25
1,000 lb. steel, Class A	.06	.055	.07
200 sq.ft. concrete sidewalk	.17	.20	.25
100 lin.ft. concrete curb	.50	.45	.....
130 lin.ft. 8-in. vitrified or cement pipe	.70	.60	.80
2 inlets to be constructed	25.00	45.00	20.00
1 inlet to be removed	15.00	40.00	15.00
655 sq.yd. concrete pavement, No. 1 or 3	1.35	1.90	2.50
25 sq.yd. 7-in. concrete roadway, No. 1 or 3	1.60	2.00	2.75
50 sq.yd. 6-in. concrete slab	1.30	1.75	2.75
50 sq.yd. crushed rock ballast, 2-in. thick	.55	1.70	.90
50 sq.yd. concrete between ties	1.20	1.10	2.50
Tearing out old bridge (lump sum)	.....	2,611.00	3,850.00
Extended totals	$174,873	$179,851	$182,144

See proposal advertisements on page 100, Advertising Section.

Buildings—Industrial (Continued)

Tex., Palestine—ICE PLANT—Palestine Ice Co., c/o W. B. McNaughton, will build 70 x 200 ft., brick, concrete and steel, 70 ton capacity. $140,000. Work will be done by separate contracts under supervision of General Eng. & Management Corp., 165 Bway., New York City. Noted Dec. 31.

Calif., Sacramento — CAN FACTORY — Amer. Can Co., 3rd and 22nd Sts., San Francisco, 1 story, rein.-con., to Lindgren-Swinerton, Inc., 225 Bush St., San Francisco. $1,000,000.

Buildings—Commercial

PROPOSED WORK

N. H., North Conway — HOTEL — H. Randall, having plans prepared by Haynes & Mason, 29 Park Bldg., Fitchburg, 3 story and basement, 2 wings, brick and timber hotel. $150,000.

Mass., Boston—Y. M. C. A., A. S. Johnson, pres., 316 Huntington Ave., plans new Y. M. C. A. building. $500,000. Engineer and architect not selected.

Mass., Brookline (br. Boston) — FIRE HEADQUARTERS — Town of Brookline, c/o C. Rowley, 70 State St., Boston, having sketches made by Little & Russell, 45 Bromfield St., Boston, 2 story, brick, fire headquarters. To exceed $150,000.

Conn., Bridgeport — CLUB — Algonquin Club, Inc., 211 State St., having sketches made by E. G. Southey, 983 Broad St., 2 story and basement, 100 x 100 ft., brick, Broad St. $200,000.

Conn., New Haven—BANK—Union & New Haven Trust Co., 57 Church St., plans brick, stone and steel bank. $2,000,000. Cross & Cross, 211 Madison Ave., New York City, archts.

Conn., New Haven—HOME—Yale Hope Mission, 55 Church St., having plans prepared by H. K. Murphy, 1 Pershing Sq., New York City, 5 story, 80 x 100 ft., brick and steel, York St. $150,000.

Conn., New Haven—HOTEL—Community Hotel Corp., 25 West 45th St., New York City, having plans prepared by G. B. Post & Sons, 101 Park Ave., New York City, 10 story, 300 room, brick and stone, Meadow St., here. $1,000,000.

Conn., New Haven—STORE—H. M. Bullard Co., 91 Orange St., had plans prepared by E. F. Poland, 505 Grand Ave., 3 story, 106 x 190 ft., brick, tile and steel, Elm St. $150,000.

Conn., New London—APARTMENT and STORE—C. E. Schall, 849 Pequot Ave., having plans prepared by Bilderbeck & Langdon, State St., brick and steel, Montauk Ave. $150,000.

Conn., South Norwalk—THEATRE—H. Goodwin, 16 Spring St., having revised plans prepared by A. S. Meloy, 2965 Main St., Stratford, 1 story and basement, brick, steel and terra cotta, Washington St. $200,000. Noted Dec. 10.

N. Y., Albany—BANK—Home Savings Bank, 13 North Pearl St., having plans prepared by Dennison & Hirons, engrs. and archts., 288 Lexington Ave., New York City, brick, steel and stone, plain foundation, North Pearl St. $1,000,000.

N. Y., Brooklyn — APARTMENT — Shampan & Shampan, engrs. and archts., 188 Montague St., preparing plans 100 x 100 ft., brick, steel and stone, plain foundation, Union St. near 8th Ave. $750,000. Owner's name withheld.

N. Y., Brooklyn—APARTMENT HOTEL—Dry Dock Holding Co., c/o J. Sarsfield Kennedy, engr. and archt., 157 Remsen St., having plans prepared brick, steel and stone, plain foundation, Ashland Pl. and Lafayette Ave. $4,500,000.

N. Y., Brooklyn—COMMUNITY—Jewish Centre of Coney Island, c/o Block & Hesse, engrs. and archts., 18 East 41st St., New York City, having plans prepared 4 story, brick, steel and stone, plain foundation, Ocean Parkway near Neptune Ave. $400,000.

N. Y., Brooklyn—OFFICE and LOFT—Bush Terminal Co., foot 43rd St., having plans prepared by W. Higginson, engr. and archt., 15 Park Row, New York City, 2 rein.-con., brick and steel, plain foundations, 1st Ave. and 39th St. $2,000,000.

N. Y., Brooklyn—Y. W. C. A., 40 Remsen St., takes bids about Mar. 1, 11 story, 80 x 200 ft., brick, steel and stone, plain foundation, Atlantic and State Sts. $300,000. F. L. Ackerman, 19 West 44th St., New York City, engr. and archt. Noted Dec. 10.

N. Y., Buffalo—APARTMENT—Carr & Andrus, c/o Haugaard & Burnham, engrs. and archts., 185 Madison Ave., New York City, having plans prepared brick, steel and stone, plain foundation, Linwood Ave., here. $1,000,000.

N. Y., Corona (Ind. Sta. Flushing) — THEATRE — Small-Strausberg Queens Theatre, Inc., W. Small, pres., 29 Maple St., Brooklyn, having plans prepared by E. DeRosa, engr. and archt., 110 West 40th St., New York City, brick, steel and stone, plain foundation, here. $600,000. Noted Mar. 5.

N. Y., Floral Park—THEATRE, STORE and OFFICE—C. Fleischer, 186 Joralemon St., Brooklyn, having plans prepared by C. A. Sandblom, engr. and archt., 145 West 45th St., New York City, brick, steel and stone, plain foundation, Turnpike Ave., here. $350,000.

N. Y., Lockport — Y. M. C. A. having plans prepared by J. F. Jackson, engr. and archt., 137 East 45th St., New York City, 196 x 200 ft., brick, steel and stone, plain foundation. $500,000.

N. Y., New York—APARTMENT—Marmon Constr. Co., c/o Springsteen & Goldhammer, engrs. and archts., 32 Union Sq., having plans prepared 5 story, brick, steel and stone, plain foundation, Montgomery Ave. $350,000.

N. Y., New York — APARTMENT — Morsane Realty Corp., c/o C. Kreymborg Son, engrs. and archts., 2334 Marion Ave., having plans prepared 6 story, brick, steel and stone, plain foundation, Van Courtlandt Ave. $250,000.

N. Y., New York — APARTMENT — Naples Holding Corp., c/o S. V. Becker, engr. and archt., 819 East 169th St., having plans prepared 5 story, brick, steel and stone, plain foundation, Godwin Terrace. $450,000.

N. Y., New York—APARTMENT—Park Ave. Holding Corp., c/o Delano & Aldrich, engrs. and archts., 126 East 38th St., having plans prepared 14 story, brick, steel and stone, plain foundation, Park Ave.

N. Y., New York—APARTMENT—R. O. W. Realty Corp., c/o W. Koppe, engr. and archt., 567 East Tremont Ave., having plans prepared 6 story, 125 x 200 ft., brick, steel and stone, plain foundation, Bailey Ave. $400,000.

N. Y., New York — CLUB HOUSE — United Order of True Sisters, c/o Bloch & Hesse, engrs. and archts., 18 East 41st St., having plans prepared brick, steel and stone, plain foundation, 150 West 85th St. $400,000.

N. Y., New York—HOTEL—A. P. Hess, engr. and archt., 345 Madison Ave., preparing plans 22 story, 100 x 102 ft., brick, steel and stone, plain foundation, 2 East 86th St. $2,000,000. Owner's name withheld.

N. Y., New York—HOTEL—A. Kay, c/o F. P. Platt & Bro., engrs. and archts., 221 West 59th St., having plans prepared 23 story, brick, steel and stone, plain foundation, 6th Ave. and 46th St.

N. Y., New York — THEATRE — G. F. Gerrety, c/o E. DeRosa, engr. and archt., 110 West 40th St., having plans prepared brick, steel and stone, plain foundation, 4915 Bway. $500,000.

N. Y., New York—WAREHOUSE—Unit Storage, Inc., c/o Morres & Dunford, engrs. and archts., 110 East 42nd St., having plans prepared 12 story, rein.-con., brick and steel, plain foundation, Webster Ave. $600,000.

N. J., Camden — THEATRE — Hunts Theatre Corp., 1324 Vine St., Phila., Pa., having plans prepared by W. H. Lee, Schaff Bldg., Phila., Pa., 3 story and basement, 31-35 Kings Highway, here. $250,000.

N. J., Elizabeth—APARTMENT—A. N. Allcroft, 225 Orchard St., plans 5 story, 91 x 121 ft. apartment, 435-41 Westminster Ave. $360,000.

Pa., Bryn Mawr — HOSPITAL — Bryn Mawr Hospital plans hospital buildings. $1,000,000. Zantzinger Borie & Medary, Otis Bldg., Phila., archts.

Pa., Norwood (Hoadleys P. O.) — APARTMENT—S. Kaplan, 10 South 18th St., Phila., making plans brick and steel apartment, plain foundation, here. $150,000. Owner's name withheld.

Pa., Phila. — BANK and OFFICE—Fidelity Trust Co., 325 Chestnut St., having plans prepared by Simon & Simon, 249 South Juniper St., 20 or more story and basement, 175 x 229 ft., rein.-con., brick and steel, Broad St. between Lansom and Walnut Sts.

Pa., Pittsburgh—DORMITORIES—G. E. Evans, Union Trust Bldg., having plans prepared by F. H. Smart, Delaware St., N. S., 4 story and basement, brick and hollow tile, Melwood St. $250,000.

Pa., Phila. — SESQUICENTENNIAL — State of Pennsylvania, Harrisburg, having plans prepared by R. Benckert, Bellevue Court Bldg., 1 story, rein.-con., steel and stucco, wood pile foundation, Broad and Pattison Sts., here. $750,000.

Pa., Pottsville—HOTEL—Owner, c/o E. C. Luther, having plans prepared by Thomas, Martin & Kirkpatrick, 220 South 16th St., Phila., 8 story, brick and steel, plain foundation.

Pa., Williamsport—STORE—A. L. Bradley, Elizabeth, N. Y., plans 3 story and basement, 25 x 100 ft., brick, steel and concrete, West 4th St., here. $150,000. Engineer and architect not announced.

Pa., Williamsport—Y. W. C. A., East 3rd St., H. W. Whitehead, pres., plans 4 story and basement, brick and steel building, incl. chapel, dormitory, gymnasium, swimming pool, etc., on 100 x 100 x 100 x 490 ft. site, West 4th St. $400,000. Noted Oct. 1.

Md., Baltimore—THEATRE and COMMUNITY—C. Raith, Fulton and Pennsylvania Aves., having plans prepared by C. N. and N. Friz, Lexington Bldg., theatre and community building, Pennsylvania and Fulton Aves. $300,000. H. F. Doeleman, 507 North Charles St., engr.

D. C., Wash.—CLUB—Queensberry Natl. Athletic Assn., c/o Milburn Heister & Co., archts, 710 14th St. N. W, having plans prepared club, with swimming pool, 14th St. $750,000-$800,000.

D. C., Wash. — ORPHAN ASYLUM — Trustees St. Joseph Orphan Asylum, 924 H St. N. W., soon takes bids orphan asylum. Milburn, Heister & Co., 710 14th St. N. W., archts. Noted Oct. 22.

Va., Danville — HOTEL and THEATRE —C. B. Clement plans 10 story and basement, limestone hotel and theatre, city hall site. $500,000. H. A. Underwood, Commercial Bank Bldg., Raleigh, N. C., archt.

N. C., Wilson — THEATRE — M. Saliba plans theatre, on site old Hodges Home. $250,000. Engineer and architect not announced.

N. C., Winston-Salem—OFFICE—W. M. Nisson, 111 South Cherry St., soon takes bids 100 x 125 ft., brick, steel and stone, plain foundation. $500,000. W. L. Stoddart, 50 East 41st St., New York City, N. Y., archt. and engr. Noted Sept. 3.

N. C., Carthage — HOTEL, etc. — A. M. Steinburg, c/o Pine Bluff Inn, Pine Bluff, plans 250 room, brick and stone hotel, together with large sub-division, incl. golf links, lake, streets, water and sewerage works, etc. on 546 acre site, Highway 50 between Aberdeen and Southern Pines. $760,000.

N. C., Elizabeth City—HOTEL—A. L. Pendleton, et al., plan 100 room hotel. $150,000-$200,000. Engineer and architect not selected.

Fla., Miami — APARTMENT — Beverly Arms having plans prepared by Stuckert & Co., Miami and 1420 Chestnut St., Phila., Pa., 15 story, fireproof, Northeast 34th St. $3,000,000.

Fla., Miami—OFFICE, etc.—Chamber of Commerce, Miami Bank Bldg., receiving competitive sketches, 10 story building, incl. auditorium, 1,500 to 2,000 seating capacity, cafe and roof garden, etc., on 100 x 123 ft. site, Southeast 2nd St. opposite Alhambra Hotel. $850,000. Engineer and architect not selected.

Fla., Miami — OFFICE and CLUB — Miami Ad Club Building Corp., having plans prepared by Stuckert & Co., Miami, and 1420 Chestnut St., Phila., Pa., 12 story and basement office and club, incl. banquet hall, assembly rooms, gymnasium, roof garden, etc., Northeast 5th St. and Bay Shore Dr. $1,500,000.

Fla., Sarasota — APARTMENT — Clas, Shepherd & Clas, archts., 445 Milwaukee St., Milwaukee, Wis., and Sarasota, preparing preliminary plans 3 story and basement, brick and concrete apartment, here. $250,000. Owner's name withheld.

Fla., Sarasota—BANK and OFFICE—Ringling Bank & Trust Co. having preliminary plans prepared by Clas, Shepherd & Clas, 445 Milwaukee St., Milwaukee, Wis., and Sarasota, 5 story and basement, brick and concrete bank and office building. $500,000.

Ala., Birmingham—FIRE STATIONS—Plans election $650,000 bonds, 5 new fire stations. D. E. McLendon, mayor.

Ala., Dothan—HOTEL—G. S. Jackson, et al., purchased site and plan 12 story hotel, North Foster St. $300,000. Engineer and architect not selected.

Miss., Gulfport—BANK and OFFICE—Bank of Gulfport having plans prepared by N. W. Overstreet, Jackson, 7 story, 50 x 75 ft., rein.-con. and marble, plain foundation, 13th St. $250,000.

Miss., Laurel — HOTEL — L. W. Duffy, archt., Lowell, takes bids about Feb. 4, 100 room, 50 x 192 ft. fireproof addition Pinehurst Hotel, here.

Miss., Vicksburg—HOTEL—Natchez Hotel Co., C. C. Eyrich, takes bids about Feb. 1, remodeling Natchez Hotel and constructing 4 story, 39 x 140 ft., brick and timber annex. $150,000. Weiss & Dreyfous, Inc.,

See proposal advertisements on page 100, Advertising Section.

Buildings—Commercial (Continued)

613 Maison Blanche Bldg., New Orleans, La., archts.

Tenn., Chattanooga—BANK and OFFICE—Chattanooga Savings Bank & Trust Co. having plans prepared by R. H. Hunt Co., James Bldg., 60 x 200 ft. bank and office building. $750,000. Noted May 28.

O., Akron — WAREHOUSE — Firestone Tire & Rubber Co., 1289 South Main St., soon lets contract 1 story, concrete, brick and steel warehouse. $150,000. C. A. Myers, c/o owner, engr., Osborn Eng. Co., 7016 Euclid Ave., Cleveland, archts.

O., Akron — HOSPITAL — City plans 4 story hospital for children. West Buchtel and Bowery Sts. $450,000.

O., Cincinnati—OFFICE—Union Central Life Insurance Co., 4th and Vine Sts., having plans prepared by Garber & Woodward, Union Central Bldg., 8 story and basement, 210 x 288 ft., rein.-con. and brick, plain foundation. $2,250,000.

O., Cincinnati—WAREHOUSE—A. Rohan Co., 50 Walnut St., having plans prepared by Ferro Concrete Co., archts. and engrs., 3rd and Elm Sts., 7 story and basement, 100 x 300 ft., rein.-con. and brick, plain foundation, Main St. $200,000.

O., Cleveland—AUDITORIUM—City, W. R. Hopkins, city mgr., having plans prepared by H. Kregelius, 604 City Hall, and J. H. MacDowell, consult. archt., Bulkley Bldg., and 1 story, rein.-con., brick and steel additions on north and south end of building, East 6th St. $2,000,000. Noted Feb. 19.

O., Cleveland—STORE—Halle Bros. Department Store, S. H. Halle, pres., Euclid Ave. and Huron Rd., having plans prepared by Walker & Weeks, 1900 Euclid Ave., 6 story and basement, concrete, brick and steel addition. $750,000.

O., Wickliffe—CLUB HOUSE—Cedarhurst Country Club Co., H. H. Lind, mgr., 1068 Hanna Bldg., having plans prepared by H. E. Shimmin, 404 Bulkley Bldg., 2 story, brick, Ridge Rd. $150,000.

Ind., Richmond — HOSPITAL — Reid Memorial Hospital, having plans prepared by W. Scholer, Lafayette, 4 story, 46 x 102 ft., brick, steel and rein.-con. hospital. $200,000.

Mich., Detroit — BANK and OFFICE — J. B. Book, Jr., Book Bldg., Washington Blvd., having plans prepared by L. Kamper, 3729 Cass Ave., 22 story and basement, 60 x 100 ft., rein.-con., brick and steel, plain foundation, Washington Blvd. and Grand River Ave. $2,000,000. Noted Jan. 14.

Mich., Detroit — CLUB — German Benevolent Society c/o Mildner & Eisen, archts., 924 Hammond Bldg., having plans prepared 3 story and basement, 110 x 130 ft., brick and steel, plain foundation, Mack Ave. $200,000.

Mich., Detroit—HOSPITAL—P. R. Rossello, archt., 406 Congress Bldg., preparing plans 3 story and basement, 60 x 120 ft., rein.-con., brick and steel, plain foundation, Frederick Ave. $200,000. Owner's name withheld.

Mich., Detroit—OFFICE—Detroit Trust Co., West Fort St., having plans prepared by A. Kahn, 1000 Marquette Bldg., 1 story, mezzanine and basement, 100 x 138 ft., rein.-con., brick and steel, plain foundation, West Fort St. $300,000. Noted Jan. 21.

Mich., Fordson (mail Detroit)—HOTEL—J. H. G. Steffens, archt., 415 Brainard St., Detroit, preparing plans 4 story and basement, 60 x 100 ft., brick and steel, plain foundation, here. $150,000. Owners' name withheld.

Mich., Pontiac — HOSPITAL — Bd. Supervs. Oakland Co. having plans prepared by F. D. Madison, Royal Oak, 3 story and basement, rein.-con., brick and steel, plain foundation, in Waterford Twp. $300,000.

Mich., Wayne—THEATRE and OFFICE—C. K. Miller & Co., having plans prepared 2 story and part basement, 100 x 110 ft., rein.-con., brick and steel, plain foundation, Michigan Ave. $150,000. Engineer and architects names withheld.

Ill., Chicago — AMPHITHEATRE — P. Harmon, et al., 1701 West Van Buren St., having plans prepared by Hall, Lawrence, Rippel & Ratcliffe, 123 West Madison St., 266 x 484 ft., 152 ft. high, 50,000 seating capacity, rein.-con., brick and steel. $5,000,000.

Ill., Chicago — APARTMENT—Lindbald & Carlson, archts., 155 North Clark St., preparing plans and take bids about Mar. 1, 3 story, 125 x 150 ft., brick apartment building, 81st St. and Ingleside Ave., for C. J. Carlson, c/o architects.

Ill., Chicago — THEATRE, STORE and APARTMENT — Z. E. Smith, archt., 305 East 55th St., preparing plans and takes bids about Feb. 15, 4 story, 125 x 265 ft., rein.-con., brick and steel, East 75th St. between Essex and Kingston Aves., for E. I. Bloom, et al., 6711 Stony Island Ave. $2,000,000.

Ill., Chicago—THEATRE, BANK, STORE and OFFICE—Addison Bldg. Corp., c/o E. P. Steinberg, archt., 360 North Michigan Ave., takes bids about Mar. 1, 3 story and basement, 131 x 150 ft., brick and concrete, Addison St. and Southport Ave. $700,000.

Wis., Dodgeville — HALL — Common Council plans rein.-con., brick and steel, plain foundation. $150,000 bond issue approved. Engineer and architect not selected.

Wis., Hudson — HOTEL — Chapin Hall Hotel, c/o A. Dodge, Willard Hotel, Wash., D. C., plans rebuilding 3 story and basement, 100 x 140 ft., rein.-con., brick and steel, plain foundation, recently destroyed by fire. $150,000. Engineer and architect not selected.

Wis., Manitowoc — HOTEL — Manitowoc Hotel Co., c/o G. Vits, pres., 15th and Franklin Sts., plans 5 story and basement, 90 x 120 ft., brick and concrete, plain foundation, 8th and York Sts. $300,000. Engineer and architect not selected.

Wis., Racine—THEATRE and STORE—Rialto Amusement Co., 517 Main St., had revised plans prepared by C. H. Crane, archt., Huron Bldg., Detroit, Mich., and F. J. Hoffman, associated archt., Racine, 4 story and basement, 80 x 240 ft., brick, concrete and terra cotta, plain foundation, Main St. $500,000. Noted Oct. 1.

Wis., Rhinelander — BANK — Merchants State Bank, M. Raymond, cashier, having plans prepared by T. Shefchik, Glencoe Bldg., Duluth, Minn., rebuilding 2 story and basement, rein.-con., brick and steel, plain foundation, recently destroyed by fire. $150,000.

Wis., Sheboygan — CLUB — Sheboygan Aerie 277 F. O. E., W. G. Keil, pres., 2037 North 8th St., plans 3 story, 120 x 150 ft., brick, rein.-con. and steel clubhouse. $200,000. Engineer and architect not selected.

Wis., Wales—INFIRMARY—Wisconsin State Bd. Control, J. Hannan, pres., Capitol, Madison, plans brick, steel and concrete, plain foundation, here. $200,000 appropriated. Engineer and architect not selected.

Ia., Des Moines—BATH HOUSE, etc.—City Park Bd. having plans prepared by Henningson Eng. Co., 301 Natl. Bank Bldg., 4 story, 46 x 130 ft., rein.-con. and brick bath house, and 58 x 150 ft. swimming pool.

Minn., Minneapolis—APARTMENT HOTEL, etc.—Intersection Holding Co., M. T. Baker, pres., Baker Bldg., having plans prepared by Larson & McLaren, 308 Baker Bldg., 6 story and basement apartment hotel, Groveland and Hennipen Aves., $400,000; two 3 story and basement, 44 x 155 ft. office buildings, Marquette Ave. between 7th and 8th Sts., $250,000; and 3 story and basement, 143 x 155 ft. office building, 8th and Marquette Sts., $250,000, all rein.-con., brick and stone.

Mo., Kansas City—THEATRE—Loews Inc., Bway. and 45th St., New York City, N. Y., having plans prepared by T. W. Lamb, archt., 644 8th Ave., New York City, and Boller Bros., associated archts., 114 West 10th St., 5 story and basement, 121 x 255 ft., rein.-con., brick and terra cotta, West 13th St., here. Noted Nov. 26.

Mo., St. Louis — COMMERCIAL — A. Waldheim, 4522 Lindell Blvd., purchased site and plans 6 story and basement, 50 x 109 ft., brick and concrete, 15th and Olive Sts. $500,000.

Mo., St. Louis—OFFICE and THEATRE—Knights of Pythias, c/o St. Louis Lodge Deputies Assn., had plans prepared by W. T. Trueblood, Chemical Bldg., and soon takes bids 10 story and basement, 150 x 150 ft., rein.-con., brick, stone, steel and terra cotta, Grand and Delmar Blvds. $1,000,000. Noted Mar. 19.

Tex., Colorado—HOTEL—Hotel Investment Co., c/o R. D. Dixon & R. S. Brennand, Jr., plans 5 story, rein.-con., brick and stone, plain foundation. $155,000. Engineer and architect not selected.

Tex., Corpus Christi — HOTEL — Beach Hotel, c/o Chamberlain Operated Hotels, Inc., plans remodeling present hotel. $150,000. Engineer and architect not announced.

Tex., Dallas—HOTEL—M. Stewart, c/o Stewart Title Guaranty Co., 1301 Main St., and F. McJunkin, c/o Southland Hotel, having plans prepared by Lang & Witchell, 300 Amer. Exch. Bldg., remodeling Scotland Hotel, 1 and 2 story and basement, and constructing addition, incl. restaurant, office, hotel rooms, etc. Murphy St. from Main to Commerce Sts. $150,000.

Tex., Harlingen — CLUB HOUSE — Shriners Club, c/o J. T. Lomax, having preliminary plans prepared 2 or 3 story club house. $250,000. Private plans.

Tex., San Angelo—HOTEL—F. Roberts, having plans prepared by D. S. Castle Co., Alexander Bldg., Abilene, 4 story and basement, 75 x 100 ft., rein.-con., brick and stone hotel. $150,000. Noted Jan. 21.

Tex., San Antonio—HOTEL—T. B. Baker Hotel Co., c/o Gunter Hotel, had plans prepared by H. S. Green, c/o Alamo Natl. Bank Bldg., 3 story, rein.-con., brick and stone top addition, Houston and St. Marys Sts. $800,000. Noted Sept. 10.

Okla., Bartlesville — OFFICE — Philips Petroleum Co. soon takes bids 7 story and basement, 60 x 140 ft., rein.-con., brick and stone, plain foundation. $500,000. Noted Oct. 16.

Okla., Okmulgee—OFFICE—Independent Oil & Gas Co., soon takes bids 5 story and basement, 77 x 140 ft., rein.-con., brick and steel, plain foundation. $350,000. Smith & Senter, Okmulgee, archts. Noted Dec. 24.

Wash., Seattle — OFFICE and WAREHOUSE—Bebb & Gould, archts., Hoge Bldg., prepared plans and take bids about Feb. 11, 4 story, 120 x 150 ft., rein.-con. and steel, 1st, South and Atlantic Sts., for Zellerbach Paper Co., 807 Western Ave. $150,000.

Calif., Los Angeles—HOSPITAL—Hospital of Good Samaritan, 1243 Wilshire Blvd., had plans prepared by R. D. Johnson, 608 Union Bank Bldg., 10 story and basement, 44 x 121 x 207 ft. rein.-con. and stucco, Shatto St. near Witner St. $1,000,000.

Calif., Los Angeles — STORE — Meyer Siegel & Co., 617 South Bway., had plans prepared by Felchlin, Shaw & Franklin, 1101 Commercial Exch. Bldg., 6 story and basement, 60 x 152 ft., stone, Flower St. between 7th and 8th Sts. $300,000.

Calif., San Diego—THEATRE, STORE and OFFICE—Kass & Ruben, Bank of Italy Bldg., Los Angeles, having plans prepared by J. P. Perrine, Lincoln Bldg., Los Angeles, 100 x 200 ft., probably rein.-con., 2,200 seating capacity, C St. To exceed $150,000. Theatre leased to West Coast Theatres, Inc., Knickerbocker Bldg., Los Angeles. Noted Aug. 20.

Calif., San Francisco—APARTMENT—California Realty & Finance Co., 319 De Young Bldg., had plans prepared by J. C. Hladik, Monadnock Bldg., six 2 story and basement, stucco and brick veneer, vicinity of 38th Ave. and Geary St. $165,000.

Calif., San Francisco — HOTEL and APARTMENT — E. N. Fritz, Jr., 1401 Masonic Ave., plans 20 story and basement, 105 x 120 ft., California St. near Mason St. $1,700,000. Engineer and architect not selected.

Calif., Santa Cruz—STORE and OFFICE—A. Balich, San Juan Rd., having plans prepared by W. H. Weeks, 369 Pine St., San Francisco, 5 story and basement, rein.-con., Pacific Ave. $150,000 or more.

SEWER—LYNN, MASS.

Bids were opened by city, Oct. 6 (lowest four and highest), for construction of 60-in. cast iron outfall sewer (A) Merritt-Chapman & Scott Corp., 17 Battery Pl., New York City (awarded contract); (B) Blakeslee-Rollins Corp., 6 Beacon St., Boston; (C) Crandall Engineering Co., 102 Border St., East Boston; (D) Bay State Dredging & Contracting Co., 62 Candor St., East Boston; (E) Great Lakes Dredge & Dock Co., 17 Battery Pl., New York City. The unit bids are as follows:

	A	B	C	D	E
14,130 lin.ft. laying 60-in. cast iron pipe and special castings for outfall sewer, exclusive of channel section	$30.00	$33.00	$33.00	$40.50	$53.00
1,150 lin.ft. laying 60-in. cast iron pipe and special castings in channel section	41.00	49.50	105.00	95.15	91.00
Constructing special outlet at end of outfall sewer (lump sum)	14,100.00	12,500.00	16,000.00	12,500.00	52,000.00
300 cu.yd. rock excavation in trench	20.00	15.00	28.00	20.00	90.00
800 ton furnishing and placing broken stone foundation	3.50	4.00	7.00	4.50	6.00
500 lin.ft. test borings	2.00	2.00	2.00	2.00	2.00
Extended totals	$494,950	$544,415	$618,040	$704,788	$756,135

See proposal advertisements on page 100, Advertising Section.

Buildings—Commercial (Continued)

Ont., London — OFFICE — London Life Insurance Co., 424 Wellington St., takes bids after Feb. 1, 4 story, 250 x 350 ft., stone, Wellington St. $1,000,000. J. M. Moore, 489 Richmond St., Archt.

Man., Winnipeg — MERCANTILE — T. Eaton Co. Ltd., Toronto, Ont., having plans prepared by Graham, Anderson Probst & White, 80 East Jackson Blvd., Chicago, Ill., 121 x 348 ft., brick and steel, Graham and Hargrave Sts., here. $170,000.

B. C., Vancouver — APARTMENT — J. Galloway, 116 7th Ave. E., having plans prepared by McCarter & Nairn, 707 North West Bldg., 3 story, 100 x 120 ft., tile and brick, concrete pile foundation, Gilford St. $150,000.

BIDS DESIRED

Mass., Boston — APARTMENT — See "Contracts Awarded."

Mass., Cambridge (Boston P. O.) — APARTMENT HOTEL — See "Contracts Awarded."

Mass., Wollaston (Ind. br. Boston) — THEATRE, etc. — Wollaston Palace Theatre Co., 64 Fenno St., taking bids 3 story, 80 x 215 ft., brick theatre. $160,000. J. A. Tuck, Park Sq. Bldg., Boston, archt.

Conn., Bridgeport—GARAGE—Feb. 1, by Mack Motor Co., 673 Connecticut Ave., superstructure 1 story, 175 x 196 ft., brick and steel, Ash Creek St. $150,000. Warren Eng. Co., Terminal St., Boston, Mass., archts. Noted Oct. 22.

Conn., New Haven—TEMPLE—Feb. 3, by Masonic Temple Assn., 4 story, 80 x 135 ft., brick and stone Masonic Temple, Whitney Ave. $450,000. Norton & Townsend, 405 Temple St., archts. Noted Nov. 26.

N. Y., Brooklyn—APARTMENT—See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

Pa., Elkins Park (ind. br. Phila.) — APARTMENT — Pearl Impvt. Corp., H. Pearl, pres., 626 South 63rd St., Phila., and H. H. Kline, archt., Bulletin Bldg., Phila., taking sub-bids 4 story and basement, 172 x 268 ft., brick and steel, plain foundation, York and Ashbourne Rds., here. $1,000,000. Noted Dec. 31.

O., Cleveland — APARTMENT — A. Kramer, 11503 Saywell Ave., taking bids 3 story and basement, 51 x 149 ft., brick, Waterbury Rd. $150,000. M. Weis, Union Bldg., archt.

O., Cleveland—COTTAGE—Feb. 13, by Dept. Welfare, 9th and Oak Sts., Columbus, 3 story, 4 wings, 30 x 100 ft. each, concrete and brick, Cleveland State Hospital grounds. $175,000. H. H. Briggs, Ohio Hartman Bldg., archt.

Mich., Detroit—THEATRE and OFFICE —P. R. Pereira, archt., 333 State St., taking bids 16 story and basement, brick, concrete, steel and stone, plain foundation, Adams Ave., for C. H. Miles, Miles Theatre Bldg., State and Griswold Sts. Noted Dec. 17.

Mich., St. Clair—HOTEL—Feb. 3, by W. H. Wyeth, archt., Port Huron, 3 story and basement, rein.-con., brick and steel, plain foundation, Main St., for St. Clair Community Hotel. $150,000.

Neb., Omaha—THEATRE—Feb. 8, by A. H. Blank Theatre Co., c/o M. B. Griffin, 1107 1st Natl. Bank Bldg., general contract 132 x 167 ft. theatre and 1 story, 40 x 100 ft. restaurant, both brick, stone, marble and terra cotta, 20th and Farnum Sts. $1,000,000. J. Eberson & Co. 212 East Superior St., Chicago, Ill., archt. Noted Jan. 21.

Calif., Los Angeles—APARTMENT—J. C. Rives, 525 Rives-Strong Bldg., taking bids 7 story and basement, 98 x 100 ft., rein.-con., Pico St. and Westchester Pl. $300,000. F. R. Dorn, 525 Rives-Strong Bldg., archt. Noted Jan. 14.

Calif., San Jose—THEATRE—Weeks & Day, archts., 315 Montgomery St., San Francisco, taking bids 1,500 seating capacity, rein.-con. and steel, South 1st St., here, for West Coast Theatres, Inc., Knickerbocker Bldg., Los Angeles. $250,000. Noted July 16.

Calif., San Francisco — HOTEL — See "Contracts Awarded."

Calif., San Francisco—APARTMENT—See "Contracts Awarded."

Sask., Regina—HOTEL—Feb. 15, by G. Broder, 939 Victoria St., 4 story and basement, rein.-con. and brick, caisson foundation, 11th and Rose Sts. $200,000. S. E. Storey & W. G. Van Egmond, McCallum Hill Bldg., archts.

BIDS RECEIVED

Ia., Des Moines—FIELD HOUSE—Drake University, 25th and University Sts., general contract 3 story, 150 x 212 ft., concrete, brick and steel, from C. Weitz Sons Co., 713 Mulberry St., $155,000; heating and plumbing, from Potthoff & Rosene, 3126 Grand Ave., $27,074.

Ia., Mason City—Y. M. C. A., C. H. McNider, chn. building com., Jan. 15, general contract 3 story and basement, brick and rein.-con., from Madsen Constr. Co., 618 Natl. Bldg., Minneapolis, Minn. Archts. est. $200,000. Noted Jan. 7.

CONTRACTS AWARDED

Mass., Boston — APARTMENT — Almont Realty Co., c/o J. Levine, 1286 Blue Hill Ave., will build 2 and 3 story, brick and timber, Almont St. $200,000. Work will be done by separate contracts. S. A. Moffie, 51 Cornhill St., Boston, archt.

Mass., Cambridge (Boston P. O.) — APARTMENT HOTEL — J. J. Shine, 1374 Massachusetts Ave., will build 6 story and basement, brick and steel, Garden and Berkley Sts. $500,000. Work will be done by separate contracts. Silverman, Brown & Heenan, 51 Cornhill St., Boston, archts. Noted Aug. 7.

Mass., Cambridge (Boston P. O.) — APARTMENT — I. Shapiro, c/o J. Driscoll, archt., 6 Beacon St., Boston, will build 4 story and basement, brick and steel, Irving St., here, by day labor. $750,000.

Mass., Roxbury (Boston P. O.) — HOSPITAL—City of Boston, City Hall Annex, Boston, 2 story and basement, 45 x 264 ft., with four 30 x 123 ft. wings, brick, steel and stone, Parker Hill, here, to T. O'Connor & Co., 218 Main St., Cambridge, $713,243. Noted Dec. 31.

Mass., Sharon—HOTEL—Springers Inn, 4 story and basement, brick, plain foundation, Massapoag Ave., to M. Druss, 60 Boylston St., Malden. Archts. est. $150,000. Noted Jan. 7.

Conn., Hartford — OFFICE — Travelers Insurance Co., 700 Main St., 10 story, 60 x 150 ft., brick, steel, plain foundation, Grove St., to Marc Eidlitz & Son, Inc., 750 Main St. Archts. est. $1,500,000. Noted Nov. 5.

Conn., New Haven — TEMPLE — Olive Branch Masons, 909 Whalley Ave., general contract 2 story and basement, 70 x 120 ft., brick and steel, to J. E. Leonard & Co., 902 Chapel St. Archts. est. $150,000. Noted Jan. 14.

N. Y., Brooklyn—APARTMENT—Kriedel Building Corp., c/o Shampan & Shampan, engrs. and archts., 188 Montague St., will build 160 x 218 ft., brick, steel and stone, plain foundation, Washington Ave. and Crown St., by day labor. $1,150,000.

N. Y., New York — APARTMENT — Wellman Constr. Co., c/o J. M. Felson, engr. and archt., 250 West 57th St., will build brick, steel and stone, plain foundation, Walton Ave., by day labor. $325,000.

N. Y., New York—LOFT—S. Sinsheimer, 877 Bway., 14 story, brick, steel and stone, plain foundation, 249 West 29th St., to Magoba Constr. Co., 103 Park Ave. Archts. est. approximately $1,000,000.

N. J., Camden — OFFICE, STORE and RESTAURANT—R. Benckert, archt., Bellevue Court Bldg., Phila., Pa., 2 story and basement, 40 x 100 ft., and 40 x 115 ft., rein.-con., brick and steel, wood pile foundation, Federal St. and Bway., here, to Smith-Hardican Co., 1809 Callowhill St., Phila., Pa., for Mastbaum Bros. & Fleisher, 1422 Pennsylvania Bldg., Phila., Pa. Archts. est. $150,000.

Pa., Phila. — SALES and MAINTENANCE — P. S. Tyre, archt., 114 South 15th St., 8 story and basement, 64 x 69 x 77 x 236 ft., rein.-con., Broad St. and Ridge Ave., to Wark Co., 1600 Walnut St., for Cadillac Motor Car Co., 144 North Broad St. Archts. est. $500,000. Noted Jan. 7.

Pa., Phila.—STORE—H. Homes, archt., 1630 Penobscot Bldg., Detroit, Mich., 2 story and basement, 42 x 44 x 84 x 112 ft., rein.-con., brick and steel, plain foundation, 104-6 South 52nd St., to F. W. Van Loon, Perry Bldg., Phila., for S. S. Kresge Co., Kresge Bldg., Detroit, Mich. Archts. est. $200,000.

Md., Baltimore—WAREHOUSE—Montgomery, Ward & Co., Chicago Ave. and Larr St., Chicago, Ill., 8 story and basement, rein.-con. addition, plain foundation, Lincoln Highway, here, to Wells Bros. Co., 53 West Jackson Blvd., Chicago, Ill. $800,000. Noted Dec. 31.

D. C., Wash. — SHOWROOM and GARAGE—Republic Truck Co., 3?2 6th St. N. W., fireproof showroom and garage, 5th and L Sts. N. W., to J. L. Parsons, Equitable Bldg.

Ga., Atlanta — OFFICE and STORE — Whitehead Realty Co., Candle Bldg., 10 story and basement, 70 x 100 ft., stone and rein.-con., Peachtree St., to Barre-Thompson Co., 100 East Ellis St. Archts. est. $350,000. Noted Jan. 21.

Fla., Miami—COURT HOUSE and CITY HALL—Comrs. Dade Co., Sept. 15, general contract 23 story, rein.-con. and steel, for Dade Co. and City of Miami, to L. W. Hancock, 684 Northwest 7th St., $1,679,000; structural steel, to Nashville Bridge Co., foot Shelby Ave., Nashville, Tenn., $285,000; granite, to Stone Mountain Granite Corp., Stone Mountain, Ga., $131,000; and steel windows, to Crittall Casement Window Co., 10951 Hearn St., Detroit, Mich., $132,197. Noted Sept. 3.

Fla., Miami—THEATRE—I. J. Thomas Co., 2 story, steel and rein.-con., Main Highway and Charles St., Cocoanut Grove, to A. Peacock, Miami, $200,000.

Fla., Orlando — AUDITORIUM — City, 3 story, 140 x 191 ft. auditorium, to J. Peterson Constr. Co., 23 Cheney Dr. Archts. est. $150,000.

Fla., Pampano—HOTEL—L. N. Conrad of Sunnylan Corp., 218 Northeast 2nd Ave., for Sunylan Hotel, 3 story, Sunylan Blvd. and Avalon Dr., to J. S. Brennan & Sons, 1297 West 108th St., Cleveland, O., and Miami, $260,000.

Ala., Birmingham—CLUB, etc.—Building Com. Birmingham Country Club, 510 North 20th St., 2 story, 75 x 150 ft., concrete and tile, Red Mountain, to Smallman-Brice Constr. Co., 1115 Ave. E, $300,000. Noted Aug. 21, 1924.

O., Cleveland — Depot — H. D. Jonett, engr., Ulmer Bldg., 94 x 94 ft. substructure, 178 ft. deep for Center Tower Building of Union Depot group, Public Sq., to Spencer-White-Prentiss Co., 709 6th Ave., New York City, N. Y., for Cleveland Union Terminal Co., c/o O. P. and M. J. Van Sweringen, Marshall Bldg. $850,000. Noted Jan. 7 under "Buildings—Commercial."

O., Cleveland—HOTEL—Hotel Hollenden Co., C. H. Force, secy. and treas., East 6th St. and Euclid Ave., 10 story and basement, 60 x 210 ft., brick, steel and concrete addition, Superior Ave. and East 6th St., to Craig-Curtiss Co., 4614 Prospect Ave. Archts. est. $1,000,000.

O., Lakewood (br. Cleveland) — COMMERCIAL and APARTMENT — Carlton Impvt. Co., c/o A. Bralosky, pres., 826 Williamson Bldg., Cleveland, 2 story and basement, 133 x 248 ft., brick and timber, 11825 Detroit Ave., here, to I. and B. Donlinsky Constr. Co., 7713 Quincy Ave., Cleveland. Archts. est. $200,000.

Mich., Detroit—APARTMENT HOTEL—Weston & Ellington, engrs. and archts., 1507 Stroh Bldg., 12 story and basement, 171 x 250 ft., rein.-con., brick and steel, plain foundation, Woodward Ave., to Bryant & Detwiler, 2336 Dime Bank Bldg., for F. Wardell, Dewey and Hamilton Aves. Archts. est. $2,500,000.

Ill., Chicago — HOSPITAL — Washingtonian Home Assn., 2318 Irving Park Blvd., masonry and carpentry contract 3 story, 47 x 115 ft. hospital, 2318 Irving Park Blvd., to O. W. Rosenthal Constr. Co., 80 East Jackson Blvd. Archts. est. $200,000.

Ill., Melrose Park — OFFICE, etc. — Electrical Engineers Equipment Co., 2 story office building and 1 story factory, to Stone & Webster, Inc., 38 South Dearborn St., Chicago, approximately $250,000.

Wis., Milwaukee — HOSPITAL — Clas, Chepherd & Clas, archts., 445 Milwaukee St., 5 story and basement, 46 x 150 ft., brick and concrete addition, plain foundation, Cedar St., to Bentley Bros., 808 South Pierce St., for Milwaukee Hospital, 22nd and Cedar Sts. Archts. est. $300,000.

Ia., Council Bluffs—HOTEL—Eppley Hotel Co., Fontenelle Hotel, Omaha, Neb., rebuilding 98 x 159 ft. hotel, 1st Ave. and Pearl St. recently destroyed by fire, to H. L. Stevens Co., 30 North Michigan Ave., Chicago, Ill. Archts. est. $400,000. Noted Jan. 21.

Kan., Topeka—BUSINESS—L. S. Hall, Columbian Bldg., 2 story and basement, 125 x 130 ft., rein.-con., brick and stone, to Lundgren & Carlson, 213 Jackson St. Archts. est. $150,000.

Kan., Topeka—HOSPITAL—Christ Hospital, 9th and West Sts., 4 story and basement, 109 x 139 ft. hospital incl. power plant and swimming pool, to Senne Constr. Co., 518 Kansas Ave. Archts. est. $500,000. Noted Dec. 17.

See proposal advertisements on page 100, Advertising Section.

Buildings—Commercial (Continued)

Mo., St. Louis—OFFICE—Quick Payment Old Line Insurance Co., 901 Holland Bldg., 6 story and basement, 43 x 85 ft., rein.-con., brick, stone and steel, Bway. near Chestnut St., to Widmer Eng. Co., Laclede Gas Bldg. Archts. est. $375,000.

Tex., San Angelo—HOTEL—S. A. Naylor, Vernon, 7 story, incl. 1st story 150 x 200 ft., 5 stories 42 x 150 ft., and 7th story 21 x 61 ft., rein.-con., brick and stone, to J. S. Harrison Constr. Co., 414 Liberty Bank Bldg., Waco, $162,749. Noted Dec. 24.

Tex., San Antonio—THEATRE and OFFICE—W. J. Lytle, Princess Theatre Bldg., foundation, concrete, masonry, terra cotta, structural steel (erected), etc., for 5 story and basement, rein.-con., brick and steel, Houston St., to Walsh & Burney, 928 North Flores St., for Famous Players-Lasky Corp., et al. $439,058. Noted Jan. 21.

Okla., Oklahoma City—GARAGE—Buick Motor Co., 504 Bdwly. St., 4 story and basement, 75 x 140 ft., rein.-con., plain foundation, 10th St. and Bway., to Campbell & Price, 603½ West Main St., $200,000. Noted Nov. 26.

Wash., Aberdeen—OFFICE and STORE—F. Becker, 7 story and basement, 60 x 130 ft., rein.-con., Wishkah and I Sts., to Greene Eng. Co., Aberdeen. Archts. est. $250,000.

Calif., Berkeley — APARTMENT and STORE — Wilson & Romie, 2425 Bancroft Way, 6 story, rein.-con. and steel, Union St. and Bancroft Way, to L. R. Wilson, 2425 Bancroft Way, $150,000.

Calif., Los Angeles — APARTMENT — A. W. Menkins, 9 story and basement, 111 x 220, rein.-con., 715 South Normandie Ave., to Callahan & Sons, Edwards-Wildey Bldg., approximately $450,000. Noted Jan. 7.

Calif., Pasadena—CITY HALL—City Directors, general contract 3 story and basement, 50 x 352 ft. main section, 100 x 100 ft. dome, 200 ft. high and two 63 x 188 ft. wings, brick, steel and rein.-con., to Orndorff Constr. Co., 351 North Western Ave., Los Angeles, $753,940. Noted Jan. 21.

Calif., San Francisco—APARTMENT—F. R. Grannis, 2450 Steiner St., will build 8 story and basement, Pacific Ave. and Webster St., by day labor. $155,000. E. E. Young, 2002 California St., archt.

Calif., San Francisco—APARTMENT and STORE—McKillop Bros., Russ Bldg., 5 story, concrete, Geary and 26th Aves., to J. S. Hannah, 268 Market St., $155,000.

Calif., San Francisco—HOTEL—J. Greenback, Hearst Bldg., 6 story and basement, rein.-con., Ellis St. near Leavenworth St., to Mission Concrete Co., Inc., 180 Jessie St., $165,450.

Calif., San Francisco — HOTEL — E. Tropp, 129 Sutter St., will build 6 story and basement, rein.-con., Taylor St. near Ellis St., by day labor. $195,000. Hyman & Appleton, 68 Post St., archt. Noted Dec. 24.

Calif., San Jose—STORE and LOFT—Ashley & Evers, archts., Holbrook Bldg., San Francisco, 3 story, rein.-con., South 1st St., here, to Lindgren-Swinerton, Inc., 225 Bush St., San Francisco, for Trinkler-Dohrmann Co., Geary and Stockton Sts., San Francisco, $165,500. Noted Jan. 21.

Que., Quebec—HOTEL—Canadian Pacific R.R. Co., 230 St. James St., rebuilding section Chateau Frontenac, Duffield St., recently destroyed by fire, to Anglin Norcross Ltd., 65 Victoria St., Montreal. Archts. est. $2,000,000.

Ont., London — HOTEL — London Hotel Co., 353 Richmond St., 10 story, 200 x 250 ft., Dundas St., to Reinart Constr. Co., 110 East 42nd St., New York City. Archts. est. $1,000,000.

B. C., Vancouver—STAGE DEPOT—Pacific Stages Ltd., 724 Hornby St. W., general contract 2 story and basement, 75 x 120 ft., rein.-con. and stone, Dunsmuir and Seymour Sts., to E. J. Ryan Contg. Co., 5 Fairfield Bldg., Vancouver. Noted Oct. 29.

Buildings—Educational, Religious

PROPOSED WORK

N. H., Concord—HIGH SCHOOL——City, H. F. Lake, chn. special com., having plans prepared by J. D. Leland, 41 Mt. Vernon St., Boston, Mass., and G. W. Griffin, 72 North Main St., 3 story and basement, 130 x 280 ft., rein.-con. and brick high school. $550,000.

Mass., Gloucester—HIGH SCHOOL—City plans new high school. To exceed $150,000. Engineer and architect not selected.

R. I., Providence — NURSES HOME — Rhode Island Hospital, 593 Eddy St., having plans prepared by Clarke & Howe, 1208 Turks Head Bldg., 7 story, 85 x 124 ft., brick and steel addition. $400,000.

R. I., Wanskuck (Providence P. O.) — LIBRARY—City of Providence, Library Bd., having preliminary sketches made by Clarke & Howe, 1208 Turks Head Bldg., limestone, here. $150,000.

Conn., Hartford—CHURCH—Mt. Olive Baptist Church, G. S. Clark, pastor, 18 Bellevue St., plans 1 story and basement, brick, stone and steel church. $150,000. Engineer and architect not selected.

Conn., New Britain—SCHOOLS—City, J. M. Halloran, chn., 67 Gove Hill, plans brick and steel school with auditorium, Clinton St., $200,000; addition to Junior High School, Lee St., $200,000; also gymnasium and school, Shuttle Meadow Ave., $325,000. Engineer and architect not selected.

Conn., New Haven — LIBRARY — Yale University plans Sterling Memorial Library, with gothic tower, about 20 stories high, York, Wall, High and Elm Sts. $8,000,000. James Gamble Rogers, 154 East 46th St., New York City, archt.

Conn., New Haven — MUSEUM — Yale University having sketches made by E. Swartout, 20 West 34th St., New York City, concrete and stone museum. $2,250,000.

Conn., Waterbury — SCHOOL — St. Margaret's School, Grove St., J. N. Lewis, chn., plans new school. $150,000. Engineer and architect not selected.

N. Y., New York—CHURCH—St. Nicholas of Tolentine, B. J. Zeiser, c/o O'Connor, Delaney & Shultz, engrs. and archts., 162 East 37th St., soon takes bids brick, steel and stone, plain foundation, Fordham Rd. $500,000.

N. Y., New York — MUSEUM — Amer. Museum of Natural History, c/o Dept. Parks, Arsenal Bldg., Central Park, having plans prepared by J. R. Pope, 542 5th Ave., 5 story brick, steel and stone addition to Theodore Roosevelt Memorial Hall, plain foundation, Central Park West. $2,500,000.

N. Y., Tompkinsville (sta. Staten Island) —NURSES HOME—Staten Island Hospital, Castleton Ave., having plans prepared by Delano & Aldrich, engr. and archt., 126 East 38th St., New York City, brick, steel and stone, plain foundation, Castleton Ave. $200,000.

N. J., Paulsboro—SCHOOL—Bd. Educ. having plans prepared by Ritter & Shay, Packard Bldg., Phila., Pa., 2 story and basement school. $200,000.

Pa., Johnstown — CHURCH — Trinity Lutheran Church, c/o S. N. Carpenter, pastor, purchased site and plans 2 story and basement, 90 x 130 ft., brick and stone, Golde and Ash Sts. $200,000. Engineer and architect not selected.

Pa., Phila.—CHURCH, etc.—Heidelberg Reformed Church, Broad St. and Grange Ave., having plans prepared by Stuckert & Co., 1420 Chestnut St., stone, Gothic design, incl. auditorium, Sunday school, assembly rooms, gymnasium, etc.

Pa., Williamsport — CHURCH — Mater Dolorosa Catholic Church, G. Angio, rector, Market and 3rd Sts., plans 2 story and basement, 80 x 90 ft., stone and brick, Market St. $150,000. Engineer and architect not selected.

Md., Baltimore—CHURCH—St. Philip & St. James Roman Catholic Church, Charles and 27th Sts., J. E. Wade, pastor, plans 1 story and basement, marble, Charles and 27th Sts. $450,000. Engineer and architect not selected.

Fla., Miami — CHURCH — Westminster Presbyterian Church, P. W. Du Bose, pastor, had plans prepared by A. T. Brown, Miami, 110 x 150 ft. church, northeast 18th St. and 2nd Court. $250,000.

O., Dayton—HIGH SCHOOL—Sisters of Notre Dame having sketches made 2 story and basement high school for girls, Forest Ave. $200,000. Engineer and architect not selected.

O., East Cleveland (Cleveland P. O.) — SCHOOL—Bd. Educ., C. Tilden, dir., Shaw and Euclid Aves., having plans prepared by J. F. Cavanaugh, 2729 Prospect Ave., Cleveland, 2 story, 12 room, concrete, brick and steel addition to Caledonia School. $225,000.

Ind., Evansville—SCHOOL—Bd. Trustees, having plans prepared by J. C. Llewellyn, 38 South Dearborn St., Chicago, Ill., brick, steel and rein.-con. high school, incl. carpenter shop, cafeteria and gymnasium. $175,000.

Mich., Clawson—HIGH SCHOOL—Lane, Davenport & Peterson, archts., 1017 Charlevoix Bldg., Detroit, take bids about Feb. 3, two 2 story and basement, 50 x 60 ft., rein.-con., brick and steel additions to high school, plain foundations, here, for Bd. Educ. $150,000.

Mich., Detroit — CATHEDRAL — Visitation Parish, c/o J. Linskey, pastor, Webb Ave. and La Salle Blvd., having plans prepared by Maginnis & Walsh, c/o Detroit Diocese, 1234 Washington Blvd., 1 and 2 story and basement, 180 x 480 ft., with two 325 ft. towers, rein.-con., brick and steel, plain foundation, LaSalle Blvd., Webb and Lawrence Aves.

Mich., Wyandotte—SCHOOL—Bd. Educ. having plans prepared by B. C. Wetzel & Co., 2317 Dime Bank Bldg., Detroit, 2 story and basement, 70 x 350 ft., rein.-con., brick and steel, plain foundation. $350,000.

Ill., Bourbonnais—GYMNASIUM, etc.—St. Viator College, A. O'Mahonew, treas., plans rebuilding gymnasium, field house, dining hall and kitchen, campus, recently destroyed by fire. $250,000. Engineer and architect not selected.

Ill., Eureka — HIGH SCHOOL — Voted $200,000 bonds, 2 or 3 story and basement high school. A. Bullock, co. supt. Engineer and architect not selected.

Ill., Franklin Park—HIGH SCHOOL—Bd. Educ. having sketches made by Ashby, Ashby & Schulze, 1511 West Jackson Blvd., Chicago, 2 story, 73 x 203 ft., rein.-con. and brick high school.

Ill., Galesburg — CHURCH — First Lutheran Church soon takes bids brick and stone, plain foundation, Seminary and Water Sts. $170,000. C. Hanson, Crystal Lake, archt. Engineer not selected. Noted Jan. 29.

Ia., Newton—SCHOOLS—Election Feb. 11, $170,000 bonds, new grade school and addition to present school, each 2 story and basement, brick and rein.-con., for Bd. Educ., B. C. Berg, supt. Thomas, McLennon & Thomas, 522 17th St., Des Moines, archts. Noted Jan. 7.

Ill., Peoria—SCHOOL—Bd. School Inspectors, G. T. Mowat, secy., takes bids in February or March, 3 story, 86 x 251 ft., rein.-con., brick and stone school. $300,000. W. W. Day, 1014 Peoria Life Bldg., archt.

Wis., Madison—CHURCH—St. Andrews Episcopal Church, F. Bloodgood, pastor, Stockton Court, plans 60 x 150 ft., rein.-con., brick and stone church. $150,000. Engineer and architect not selected.

Minn., St. Paul — CHURCH — Hamline Methodist Episcopal Church, c/o G. H. Gentz, pres., 1524 Capitol Ave., plans rebuilding brick and stone, Capitol and Snelling Aves., recently destroyed by fire. $250,000. Engineer and architect not announced.

Kan., Topeka—HIGH SCHOOLS—Bd. Educ. having plans prepared by T. W. Williamson & Co., 312 Central Natl. Bank Bldg., 3 Junior High Schools. $380,000. Noted Dec. 17.

Mo., Joplin—SCHOOLS—Bd. Educ. having preliminary plans prepared by Smith & Van Pelt, archts., 819 Frisco Bldg., and J. H. Felt & Co., associated archts., 300 West 47th St., Kansas City, for schools. $750,000.

Ark., Fayetteville—UNIVERSITY—University of Arkansas takes bids about Feb. 15, 3 story, rein.-con., brick and stone engineering and agricultural buildings, on campus. $650,000. Jamieson & Spearl, Arcade Bldg., St. Louis, Mo. and H. R. Burke, 307 Southern Trust Bldg., Little Rock, archts. Noted Dec. 17.

Ark., Little Rock—HIGH SCHOOL—Bd. Educ. takes bids in spring 3 story, rein.-con., brick and stone, 14th and Park Sts. $850,000. Wittenborg, Deloney & Watts, 408 Southern Trust Bldg., Mann & Stern, 705 A.O.U.W. Bldg. and J. P. Almand, 1107 Boyle Bldg., archts. Noted March 5.

Tex., Austin — ADMINISTRATION — Texas Lutheran College, having plans prepared by H. P. Smith, c/o Natl. Bank of Commerce Bldg., San Antonio, 3 story and part basement, rein.-con., brick and stone, plain foundation, Austin-Cameron Highway. $400,000.

Tex., Ft. Worth — SCHOOLS — Election soon $500,000 bonds, new schools for Bd. Educ., C. M. Moore, supt. W. G. Clarkson, 1st Natl. Bank Bldg., archt.

Tex., Tahoka—HIGH SCHOOL—Election soon $150,000 bonds new high school, for Bd. Educ. Engineer and architect not selected.

Okla., Tulsa—CHURCH and SUNDAY SCHOOL—Boston Ave. Methodist Episcopal Church, 5th St. and Boston Ave., J. Rice, pastor, soon takes bids 1 story and basement, 125 x 200 ft., brick and steel, plain

See proposal advertisements on page 100, Advertising Section.

Buildings—Educational, Religious (Cont.)

foundation. $500,000. R. H. Hunt & Co., 1407 Southwestern Life Bldg., Dallas, Tex., archts. Noted Nov. 19.

Wash., Olympia—HIGH SCHOOL—Election Jan. 30, $180,000 bonds, 3 story and basement, 50 x 140 ft. addition to high school, Washington St. between 12th and 13th Aves., for Bd. Educ.

Calif., Centerville — HIGH SCHOOL — Plans election $225,000 bonds, high school addition, incl. gymnasium, auditorium, shops, corridor connections, etc., for Washington Union High School Dist.

Calif., Davis—SCHOOL—Plans election $150,000 bonds, high school, for Davis High School Dist. L. F. Starks, Ochsner Bldg., Sacramento, archt.

Calif., Los Angeles—CHURCH—St. Brendens Parish having plans prepared by E. G. Martin, 520 Citizens Natl. Bank Bldg., 3 story, 45 x 148 ft., steel and timber, 3rd St. and Wilton Pl. $150,000.

Calif., Los Angeles—COLLEGE—Roman Catholic Bishop of Los Angeles and San Diego, having plans prepared by A. C. Martin, Higgins Bldg., 3 story and basement, 120 x 250 ft., brick, 3rd and Detroit Sts. $150,000. Noted Nov. 26.

Calif., Sacramento — CHURCH — Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco, plans St. Stephen's Parish Church, fireproof, 39th and I Sts., here. $150,000. Engineer and architect not selected.

Que., Verdun—CHURCH—St. Willibrods Roman Catholic Church, W. Ryan, pastor, soon takes bids rein.-con., brick and steel church, Willibrod Ave., here. $170,000. Gravel & Lahberte, Montreal, archts.

Ont., Kenora — HIGH SCHOOL — Bd. Educ., G. A. Toole, chn., plans 2 story and basement, 8 room, rein.-con. and steel, plain foundation. $150,000. Engineer and architect not selected.

Ont., Toronto—SCHOOLS—Bd. Educ., 155 College St., plans brick, concrete and tile additions to John Fischer, Bedford Park, Eglinton, Earl Haig and Bruce Schools. $400,000. C. E. Dyson, 155 College St., archt.

BIDS DESIRED

Mass., Medford (Boston P. O.) — CHURCH — St. James Roman Catholic Church, A. Murphy, pastor, Fellsway corner 4th St., taking bids 1 story and basement, brick and stone church. To exceed $150,000. E. T. P. Graham, 171 Newbury St., Boston, archt. Noted Oct. 29.

Mass., Norwood—SCHOOL—Feb. 5, by St. Catharines's School, J. F. Doherty, pastor, 2 story and basement, brick and steel, Nahatan St. $150,000. McLaughlin & Burr, 88 Tremont St., Boston, archts. Noted Dec. 17.

Conn., Stamford—SCHOOL—Jan. 28, by Town, C. H. Martin, chn. com., City Hall, 2 story and basement, 45 x 128 ft., rein.-con., brick and stone, plain foundation, Glenbrook Rd. $200,000. J. B. Holbrook, 70 East 45th St., New York City, engr. B. G. Goodhue Associates, 2 East 47th St., New York City, archts.

N. J., Montclair—SCHOOL—Feb. 1, by Bd. Educ., 22 Valley Rd., New Bedford School, brick, steel and stone, plain foundation. $350,000. Starrett & Van Vleck, 393 7th Ave., New York City, engrs. and archts. Noted Dec. 24.

Pa., Donora — SCHOOL — Bd. Educ. and C. C. Compton, archt., Donora taking bids 3 story and basement, 56 x 132 ft. addition to Castner Grade School. $150,000. Noted Mar. 26.

Pa., Phila.—JUNIOR HIGH SCHOOL—Feb. 2, by Bd. Educ., J. D. Cassell, supt. buildings, 19th St. above Chestnut St., 4 story, loft and basement, 159 x 268 ft., rein.-con. and brick, plain foundation, 26th and Cumberland St. $1,300,000. I. T. Catharine, 19th St. above Chestnut St., archt.

Pa., Phila.—SCHOOL—Feb. 1, by H. D. Dagit, archt., 34 South 17th St., 4 story and basement, 69 x 121 ft., rein.-con., steel, brick and granite addition, plain foundation, Springfield Ave. and Farragut Terrace, for St. Francis de Sales Parish. $250,000.

Pa., Phila.—SUNDAY SCHOOL—Feb. 2, by S. Miller, archt., 1117 Foulkrod St., 2 story and basement, 50 x 118 ft., stone and steel, plain foundation, Tyson and Glenlock Sts., for Disston Memorial Presbyterian Church. $150,000.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., taking bids 2 story and basement, 110 x 200 ft., rein.-con., brick and steel, plain foundation, St. Aubin Ave. $225,000. McGrath, Dohmen & Page, 2231 Park Pl., archts.

Mich., Newberry—HIGH SCHOOL—Mar. 1, by Bd. Educ., H. Kunert, chn., 3 story and basement, rein.-con. and brick, plain foundation. $300,000. G. Arntzen, Escanaba, archt.

Wis., Beloit—SCHOOL—Feb. 23, by St. Judes Catholic Congregation, c/o J. Hanz, pastor, 747 Hackett St., 2 story, 60 x 140 ft., rein.-con., brick, steel, plain foundation. $150,000. F. H. Kemp, Goodwin Blk., archt. Noted Oct. 22.

Wis., Racine — SCHOOL — Feb. 3, by J. M. Matson, archt., Baker Blk., 2 story and basement, 67 x 129 ft., brick, tile concrete, plain foundation, for St. Edward Congregation, J. Bott, pastor, 1330 Grove Ave. $150,000.

Calif., Los Angeles—SCHOOL—Feb. 3, by Bd. Educ., Russell School, 2 story and basement, brick. $150,000. O. Clark, Chapman Bldg., archt. Noted Jan. 21.

Calif., Pasadena—HIGH SCHOOL—Feb. 8, by Bd. Educ., 2 story, 160 x 200 ft., rein.-con. addition to Center-Oak Knoll High School. $200,000. Austin & Ashley, Chamber of Commerce Bldg., Los Angeles, archts. Noted Jan. 21.

BIDS RECEIVED

N. J., Totowa (mail Paterson)—DORMITORIES—B. G. Lewis, comr., at office Division Architecture & Construction, 643 Broad St., Newark, Jan. 12, general contract group 25 buildings, incl. dormitories, recreation, administration, etc, at Training School for Feeble Minded Females, here, for State Bd. Institutions & Agencies, Trenton, from C. J. Smith Constr. Co., 204 Academy St., Trenton, $1,173,834; plumbing, from G. J. Tobin, 187 North Ave., Plainfield, $99,997; heating, from J. H. Cooney, Harrison, $72,800; and electrical work, from Hoffman & Elias, 59 West 51st St., New York City, N. Y., $66,900. Noted Jan. 7.

Pa., Avalon (Pittsburgh P. O.)—HIGH SCHOOL—Bd. Educ., 2 story and basement, 96 x 113 ft. high school, from H. L. Ley Co., Westinghouse Bldg., Pittsburgh, $169,-425. Archts. est. $180,000.

Calif., Van Nuys—HIGH SCHOOL—Los Angeles Bd. Educ., Jan. 13, 2 story, 75 x 225 ft. domestic science building, 1 story, 72 x 223 ft. manual arts building, and 1 story 30 x 40 ft. boiler house, here, from W. E. Warne, 1111 Rives-Stong Bldg., Los Angeles, $159,250. Noted Jan. 7.

CONTRACTS AWARDED

Mass., Pittsfield — CHURCH — First Church of Christ, 131 South St., 1 story and basement, 66 x 90 ft., brick and stone, Wendall Ave., to D. H. Pike, 30 Eagle St. Archts. est. $150,000.

R. I., Providence — COLLEGE — Rhode Island State College, 4 story, 60 x 200 ft., terra cotta, brick and steel, Francis St., to E. Turgeon, 86 Weybosset St. Archts. est. $650,000. Noted June 18.

N. Y., Hastings—SCHOOL—Union Free School Dist., C. C. Delaney, clk., 3 story, brick, steel and stone, plain foundation, to Blumar Constr. Co., 25 West 43rd St., New York City. Archts. est. $300,000. Noted Dec. 10.

N. Y., New York—NURSES HOME—Mt. Sinai Hospital, 5th Ave. and 100th St., 15 story, brick, steel and stone, plain foundation, 5th Ave., to Hegeman-Harris Co., 360 Madison Ave. Archts. est. $1,500,000.

D. C., Wash.—SCHOOL—Dist. Comrs., Cardoza School, to King Lumber Co., Charlottesville, Va., $192,300. Noted Jan. 21.

N. C., Wilmington — CHURCH — First Presbyterian Church, A. D. P. Gilmour, pastor, remodeling church, to U. A. Underwood, Wilmington. Archts. est. $300,000. Noted Jan. 21.

O., Cleveland — CHURCH — Walker & Weeks, archts., 1900 Euclid Ave., 1 and 2 story, concrete, brick and steel, East 107th St. and East Blvd., to Craig-Curtis Co., 4614 Prospect Ave., for Epworth-Euclid Methodist Episcopal Church, L. C. Wright, pastor, 2547 Derbyshire Rd. Archts. est. $1,000,000. Noted Dec. 10.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., general contract 2 story and basement, rein.-con., brick and steel, plain foundation, Puritan Ave., to A. W. Kutsche & Co., 333 State St., $123,760; heating, etc., to Drake Avery Co., 210 State St., $42,590. Noted Jan. 14.

Ill., Chicago—HIGH SCHOOL and CONVENT—Trinity High School Corp., c/o O. W. Kallal, archt., 111 West Washington St., masonry contract 3 story and attic, brick and stone, Division and Lathrop Sts., to E. L. Archibald Co., Inc., 111 West Washington St.; cut stone, to C. Fanning & Co., 1616 South 52nd St.; plumbing, to Murphy Plumbing Co., 1720 South Michigan Ave.; carpentry, to D. H. Doyle & Son, 5839 Kenmore Ave.; slate roof, to H. C. Kinsley Co., 1912 South Western Ave.; rein.-con., to Concrete Eng. Co., 1926 South 52nd St. Archts. est. $750,000.

Mich., Dearborn—SCHOOL—Bd. Educ., 2 story and basement, 85 x 125 ft., concrete brick and steel, plain foundation, Oxford St., to G. Anderson, 6118 Lawton Ave., Detroit. Archts. est. $150,000. Noted Oct. 29.

Tex., Dallas—CHURCH—Hi-Land Park Methodist Congregation, c/o U. Lee, pastor, 2 story and sub-basement, 151 x 200 ft., rein.-con., brick and stone, to Bellows-Maclay Constr. Co., 611 Kirby Bldg., $342,-615. Noted Apr. 2.

Calif., Oakland—SCHOOL—Bd. Educ., Garfield School, 2 story and basement brick and tile, East 17th St. and 22nd Ave., to W. C. Keating, Forum Bldg., Sacramento, $183,650. Noted Dec. 31.

Que., St. Camille — CHURCH — Roman Catholic Congregation, 80 x 150 ft. church, to Plante & Langlier, St. Victor de Tring. Archts. est. $200,000.

Federal Government Work

PROPOSED WORK

Ky., Louisville—Beartrap Leaves—U. S. Engineer Office, P. O. Box 72, rejected bids Dec. 28, beartrap leaves for Dams 45 and 49, Ohio River. Will readvertise. Noted Dec. 3.

Calif., Mare Island — Dredging — Spec. 5172—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids Jan. 20, dredging at Turning Basin (submarine repair base), Navy Yard, here. Noted Jan. 7.

BIDS DESIRED

N. Y., Buffalo—Breakwater—Feb. 18, by U. S. Engineer Office, Federal Bldg., superstructure for breakwater in Buffalo Harbor.

N. Y., New York—Dredging—Feb. 26, by U. S. Engineer Office, Army Bldg., 39 Whitehall St., dredging in Harlem River; adv. E. N.-R. Jan. 28.

N. Y., Troy—Post Office—Feb. 16, by Treas. Dept. at office Supervising Architect, Wash., D. C., mailing vestibule, mezzanine floor, etc., at U. S. Post Office, here. J. A. Wetmore, Wash., D. C., acting supervising archt.

D. C., Wash.—Cement—Feb. 5, by A. L. Flint, genl. purch. agt., Panama Canal, Portland cement.

Fla., Pensacola — Fuel Storage — Spec. 5107—Feb. 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., fuel and gasoline steel storage tanks, for Naval Air Station, here. Noted Dec. 24.

Ala., Mobile—Water Pipe, etc.—Feb. 5, by Treas. Dept. at office Supervising Archt., Wash., D. C. submarine water pipe and electric cables for proposed Quarantine Station, Sand Island, near here. J. A. Wetmore, acting superv. archt.

Nebraska and Wyoming—Valves, etc.—Feb. 23, by E. Mead, comr. Bureau Reclamation, Denver, two 24 in. drum gate regulating valves for Guernsey Dam and two 24 in. regulating needle valves, for Minatare Dam, North Platte Project, Nebraska-Wyoming. This corrects report in Jan. 21 issue.

S. D., Hot Springs—Refrigeration Plant, etc.—Feb. 16, by U. S. Veterans Bureau, Room 791, Arlington Bldg., Wash., D. C., refrigeration and ice making plant, at U. S. Veterans Hospital, here.

Wyo., Cheyenne—Additions—Feb. 10, by Treas. Dept. at office Supervising Architect, Wash., D. C., constructing mezzanine floor, store room, vault extensions, etc., at U. S. Public Building, here. J. A. Wetmore, acting supervising archt.

Tex., Brownsville—Remodeling—Feb. 23, by Treas. Dept., at office Supervising Architect, Wash., D. C., remodeling and enlarging U. S. Court house, Custom House, and Post Office, here. J. A. Wetmore, acting supervising archt.; adv. E. N.-R. Jan. 28.

Calif., San Diego—Water Meter, etc.—Spec. 5165—Feb. 24. by Bureau Yards & Docks, Navy Dept., Wash., D. C., water meter, tank equipment, etc., for Naval Operating Base (Marine Corps Base), here. Noted Dec. 24.

Calif., Santa Rosa—Remodeling—Feb. 15, by Treas. Dept., at office Supervising Architect, Wash., D. C., remodeling and enlarging post office, here. J. A. Wetmore, acting supervising archt.

BIDS RECEIVED

Wis., Milwaukee — Steel — Supt. Lighthouses, Jan. 18 fabricated steel for one steel plate lighthouse tower, for North Breakwater, here, from Milwaukee Structural Steel Co., 39th and State Sts., $5,280. Noted Dec. 31.

Montana—Roads—C. H. Purcell, dist. engr. Bureau Pub. Roads, Dept. Agriculture, Post Office Bldg., Portland, Ore., grading

See proposal advertisements on page 100, Advertising Section.

Federal Government Work (Continued)

and surfacing 4.35 mi. Swamp Creek Sect. Clark Fork Highway, Cabinet Natl. Forest, here, from G. A. Sutherland, Troy, $42,771.

CONTRACTS AWARDED

N. Y., Jamestown—Remodeling—Treas. Dept., at office Supervising Architect, Wash., D. C., remodeling, etc., at U. S. Post Office, here, to Garber & Cissel, Bethlehem, Pa., $10,490. Noted Dec. 10.

Pa., Phila.—Dredging Sleeves—U. S. Engineer Office, 1505 Race St., 722 rubber dredging sleeves, to Pioneer Rubber Mills, 234 Sacramento St., San Francisco, Calif., $35,584. Noted Dec. 10.

D. C., Wash.—Dock—Spec. 5169—Bureau Yards & Docks, Navy Dept., creosoted timber fender piles and superstructure for dock, Naval Air Station, Anacostia, here, to Concrete Oil Tank Co., 519 Mills Bldg., $6,849 (75 days). Noted Jan. 21.

Ga., Atlanta — Sewer — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., sewer line at U. S. Veterans Hospital, here, to J. B. McCrary Eng. Corp., 1408 Citizens & Southern Bank Bldg., Atlanta, $8,767. Noted Jan. 21.

O., Chillicothe — Curbing, etc. — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., curbing and sidewalks at U. S. Veterans Hospital, here, to Bayne & McCalla, Chillicothe, $5,801. Noted Dec. 31.

Wash., Walla Walla — Roads — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., constructing roads at U. S. Veterans Hospital, here, to H. L. Wilson, Jaycox Bldg., $4,200. Noted Dec. 31.

Oregon—Road—C. H. Purcell, dist. engr., P. O. Bldg., Portland, grading, etc., 1.4 mi. Scholfield Sect. Scottsburg-Reedsport Natl. Highway, Douglas Co., to I. J. Rosten, Exch. Bldg., Portland, $58,580. Noted Jan. 7.

Unclassified

PROPOSED WORK

Coal Plant—Boston, Mass.—Boston & Maine R.R., North Sta., making plans coaling plant, incl. 5 steel loading towers and distributing bridge, at Mystic Wharf, $500,000. Private plans.

Ferry Drops—Boston, Mass.—Dept. Pub. Wks., plans ferry drops at North Ferry, $140,000. J. E. Carty, City Hall, engr.

Gas Mains — New Jersey — New Jersey Gas & Electric Co., 49 North Sussex St., plans 6 mi. mains from Dover to Netcong and Stanhope. Engineer not selected.

Swimming Pool—Williamsport, Pa.—See "Buildings—Commercial."

Swimming Pool — Wash., D. C. — See "Buildings—Commercial."

Land Development—North Carolina—See "Buildings—Commercial under Carthage."

Hydro-Electric Power Development — Waynesville, N. C.—Pigeon River Power Co., associated with Electric Bond & Share Co., 65 Bway., New York City, N. Y., made surveys hydro-electric plant on Pigeon River, 20 mi. northwest of here. $12,000,000. C. S. Walters, vice-pres. Asheville Power & Light Co., Asheville, interested.

Lighting System—Ft. Meade, Fla.—Election Feb. 9, $40,000 bonds, street lighting system.

Boiler—De Kalb, Ill.—Illinois Power Co., Springfield, plans new boiler and appurtenances at light and power plant, here. $127,000. A. D. Mackie, genl. mgr.

Stadium — Evanston, Ill. — Northwestern University and J. G. Rogers, archt., 367 Lexington Ave., New York City, N. Y., take bids about Feb. 10, stadium, 1,000 ft. long, 127 ft. high 3 decks, concrete, Central St. $1,000,000. G. Haddon, 280 Madison Ave., New York City, N. Y., engr. Noted Nov. 12.

Grand Stand, etc. — Fairmount, Ill. — Fairmount Jockey Club, c/o L. T. Hay, pres., making plans enlarging grand stand, concrete and brick club house, additional stables, reconstructing drainage system, landscape work, etc. $250,000.

Grain Elevator — New Berlin, Ill. — Farmers Grain Co., W. E. Munson, genl. mgr., soon lets contract rebuilding grain elevator, recently destroyed by fire. $27,000.

Telephone Lines, etc.—Peoria, Ill.—Illinois Bell Telephone Co., 320 Fulton St., G. Treadway, genl. mgr., plans new lines and equipment. $100,000.

Street Lighting System—Menasha, Wis.—J. F. DeCaro, city clk., soon takes bids street lighting system on Washington, Main, Tayco and Racine Sts. $25,000.

Swimming Pool—Des Moines, Ia.—See "Buildings—Commercial."

Gas Pipe Line — Texas — Houston Gulf Gas Co., Houston, making surveys gas line from Webb Co. fields to Austin, via Gonzales. $2,000,000. Private plans.

Oil Pipe Line, Texas — Amer. Refining Co., Wichita Falls, making plans 200 mi. 12 in. oil pipe line from fields near Wichita Falls to Carson Co. $4,500,000. Private plans.

Power Lines—Texas—West Texas Utility Co., G. W. Fry, vice-pres. and genl. mgr., Abilene, making surveys 125 mi. power line from Abilene to Junction, $100,000; 42 mi. line from Junction to Rock Springs, $50,000; and 33 mi. line from Junction to Mason, $40,000. Private plans.

Crushing Plant, etc. — Collado (mail Lobo), **Tex.** — Micolithic Co., c/o A. F. Fisher, 203 Cotton Exch. Bldg., Houston, plans stone crushing plant 500 ton daily capacity, quarry plant to handle 1,000 tons, and 5⅔ mi. railway embankment and track. $200,000.

Transmission Line—Texas—Crystal City Electric Light & Ice Co., Crystal City, making plans power transmission line from Crystal City to River Spur. $30,000. Private plans.

Gas Pipe Line—San Antonio, Tex.—Seagraves & Moody, c/o M. Eskridge, c/o Brady Bldg., making plans 72 miles 12 in. natural gas pipe line from Colefield to San Antonio. $2,000,000.

Transmission Line, etc. — Oklahoma — Town of Aline made preliminary plans 30 mi. transmission line from Fairview to Cleo Springs to Aline, and distribution system in Aline, etc. $40,000. H. G. Olmsted, Oklahoma Bldg., Oklahoma City, engrs.

Electric Light System, etc. — Redland, Okla.—Made preliminary plans electric light system and 10 mi. electric transmission line to connect with Oklahoma Gas & Electric Co. high lines. $25,000. C. W. Geren, mayor. Engineer not selected.

Lighting System — Alhambra, Calif. — Plans street lighting system on Emory Park tract. $55,000.

Lighting Systems — Toronto, Ont. — Bd. Educ., 155 College St., plans electric lighting systems in schools not so equipped. $63,900. C. E. Dyson, 155 College St., archt.

Fire Alarm System—Jonquieres, Que.—Plans fire alarm system, incl. distribution table, switch board, alarm boxes, etc. $40,000. J. Smith, c/o Northern Electric Co., Montreal, engr.

BIDS DESIRED

Refrigerating Plant—New York, N. Y.—Feb. 2, by Bd. Trustees Bellevue & Allied Hospitals, J. J. McGrath, chn. at office General Medical Supt., 415 East 26th St., for refrigerating plant, etc. in power house of Bellevue Hospital, foot East 29th St.

Ash Handling Equipment, etc.—Detroit, Mich.—Jan. 30, by J. S. Foley, secy. Pub. Lighting Comn., 174 East Atwater St., ash handling equipment, boiler settings, etc., for power plant, foot Morrell St. Former bids rejected. Smith, Hinchman & Grylls, 800 Marquette Bldg., engrs. Noted Dec. 10.

Lighting System—Kenilworth, Ill.—Feb. 2, by Randolph Perkins Co., 38 South Dearborn St., Chicago, 370 ornamental street lights, concrete posts, etc. on various streets for Village. $118,000.

Gas Pipe Line — Corpus Christi, Tex. — J. P. Logan, mayor, taking bids 31,000 ft. 6 in. gas pipe line from city limits to Saxtet Wells. $28,000. J. T. Wright, city secy.

Transmission Line — Texas — See "Contracts Awarded."

Gasoline Stills—Port Arthur, Tex.—See "Contracts Awarded."

Swimming Pool — Inglewood, Calif. — Inglewood Union High School Dist., Grevillea St., taking bids 1 story, 78 x 110 ft., timber building, incl. 50 x 75 ft., rein.-con. swimming pool. G. A. Howard, Jr., 819 Story Bldg., Los Angeles, archt. $50,000. Noted Jan. 28.

BIDS RECEIVED

Subway — New York, N. Y. — J. H. Delaney, chn. Bd. Transportation, 49 Lafayette St., Jan. 22, subway Sect. 5, Route 102, along and under 8th Ave. from West 48th to 58th Sts., incl. spurs under private property from West 52nd St. to 54th Sts., from Heyman & Goodman Co., Inc., 236 West 116th St., (a) $6,641,678 (b) $6,627,053 and (c) $6,934,178. Noted Jan. 14.

Ornamental Lighting System — Los Angeles, Calif. — For 286 Marbalite posts and connections on Melrose Ave., from Newbery Electric Corp., 726 South Olive St., $85,782.

Ornamental Lighting System—Pasadena, Calif.—City Trustees, ornamental lighting system on Linda Vista Ave. between Inverness and Afton Sts., from Newbery Electric Corp., 726 South Olive St., Los Angeles, $47,902.

CONTRACTS AWARDED

Subway—Long Island City, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, subway, Sect. 6-E-1, Route 8 along and under Wyckoff Ave. from Halsey St. to Cooper Ave., here, to Oakdale Constr. Co., 169 Wyckoff Ave., $1,345,778. Noted Jan. 14.

Swimming Pool — Topeka, Kan. — See "Buildings—Commercial."

Culverts — Wellington, Kan. — See "Bridges."

Transmission Line — Texas — Western Pub. Serv. Co., Bryan, will build 40 mi. power transmission line from Navisota to Madisonville, by day labor. $40,000. Private plans.

Grade Raising, etc.—Galveston, Tex.—Bd. City Comrs., grade raising, 5,500,000 cu.yd. sand filling by dredge from Galveston Bay, to United Dredging Co., 323 Security Bldg., $0.2997 per cu.yd. Noted Jan. 7.

Gasoline Stills—Port Arthur, Tex.—Gulf Refining Co., will build 20 high pressure gasoline stills, by day labor. $1,500,000. Private plans.

Materials

PROPOSED WORK

Road Oil — Watertown, Wis. — Bd. Pub. Wks., F. S. Weber, city clk., soon takes bids 100,000 gal. road oil.

BIDS DESIRED

Iron Castings—New Haven, Conn.—Feb. 5, by New York, New Haven & Hartford R.R. Co., malleable iron castings, required for 1 year beginning Mar. 1, 1926. N. M. Rice, vice pres.

Sand Grit, etc.—Long Island City, N. Y.—Jan. 29, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 5,000 cu.yd. white sand grit, 23,000 tops steam ashes, 350,000 gal. asphaltic macadam binder, and 600,000 gal. road oil for cold application.

Saml Grit—New York, N. Y.—Feb. 4, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., 10,000 cu.yd. sand grit.

Bituminous Material — Pennsylvania — Feb. 2, by State Hy. Dept., Harrisburg, approximately 1,325,000 gal. bituminous material Specifications P. and J., and approximately 4,700,000 gal. Specifications C. D. and H.

Corrugated Metal Pipe — Pennsylvania, —Feb. 1, by State Hy. Dept., Harrisburg, approximately 41,000 ft. 12- to 36-in. corrugated and 5,600 ft. rein.-con. pipe, delivered at various points.

Crushed Stone — Pennsylvania — Jan. 29, by State Hy. Dept., Harrisburg, approximately 162,000 tons various sizes crushed stone delivered at various designated points.

Culvert Pipe—Mendenhall, Miss.—Feb. 1, by Supervs. Simpson Co., 1 medium size carload 18 in. culvert pipe. T. B. Durr, clk.

Piles—New Orleans, La.—Feb. 2, by Port Comn., 199 creosoted piles, 85 ft. long.

Road Oil—White Hall, Ill.—Feb. 2, by City Council, G. L. Thompson, city clk., 60,000 to 100,000 gal. road oil from 50 to 70% asphalt, shipped in 10,000 gal. tank cars. $6,500.

Paving Blocks, etc.—Milwaukee, Wis.—Feb. 1, by Central Bd. Purchases, 7,000 more or less sq.yd. 3.5 in. rectangular creosoted wood paving blocks, 16 lb. treatment.

Cement, etc.—New London, Wis.—Feb. 2, by C. J. Thompson, city clk., 9,000 bbl. Portland cement, 3,000 cu.yd. gravel, and 2,000 cu.yd. sand, for paving Mill St.

CONTRACTS AWARDED

Cement — Baltimore, Md. — Mayor and City Council, 10,000 bbl. cement to Natl. Building Supply Co., 210 Garrison Lane, at $2.75.

Cement—Missouri—State Hy. Dept., Jefferson City, 34,000 bbl., to Pyramid Portland Cement Co., 508 Insurance Exch. Bldg., Des Moines, Ia., at $2.55 and $2.56 per bbl.; 13,500 bbl., to Hawkeye Portland Cement Co., 606 Hubbell Bldg., Des Moines, Ia., prices ranging from $2.59 to $2.67; 313,050 bbl., to Missouri Portland Cement Co, Post Dispatch Bldg., St. Louis, $2.32 to $2.95; 157,800 bbl., to Marquette Cement Co., Cape Girardeau, $2.70 to $2.89; 384,250 bbl., to Great Western Portland Cement Co., Mildred, Kan., $2.53 to $2.63; 162,500 bbl., to Dewey Portland Cement Co., Dewey, Okla., $2.47 to $2.81; 164,550 bbl., to Ash Grove Lime & Portland Cement Co., Chanute, Kan., $2.40 to $2.85; 123,750 bbl., to Monarch Portland Cement Co., Humboldt, Kan., $2.47 to $2.70; 106,500 bbl., to Kansas Portland Cement Co., Bonnor Springs, Kan., $2.49 to $2.72; and 12,500 bbl., to Fredonia Portland Cement Co., Fredonia, Kan., $2.45. Noted Dec. 10.

See proposal advertisements on page 100, Advertising Section.

The CONCRETE REINFORCING STEEL INSTITUTE

is a national organization of fabricators of reinforcing steel with warehouses in thirty-five leading cities.

This Institute has been formed to cooperate with Architects, Engineers and Contractors throughout the country in the advancement of reinforced concrete construction.

Indirectly, the Institute serves the owners of construction projects in this vast country of ours by its members' investment in plant and equipment in these thirty-five "service stations." Steel is fabricated and delivered to jobs *as needed.* Thus many projects begin to earn on capital invested, *earlier than anticipated,* through elimination of delays.

Among other activities, the Institute is supporting whole-heartedly the Elimination of Waste Campaign of the United States Government. Standard practice and elimination of waste in the building industry will do much to lower costs and widen the market to the advantage of all.

The Institute is in touch with the latest developments in reinforced concrete construction. This data is available to Architects, Engineers and Contractors. The Concrete Reinforcing Steel Institute offices are located at 160 North La Salle Street, Chicago.

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